

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
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DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=AND

<u>L10</u>	L3 and (GPCR)	11	<u>L10</u>
<u>L9</u>	L3 and (GPCR)	11	<u>L9</u>
<u>L8</u>	L7 and (modulator)	19	<u>L8</u>
<u>L7</u>	L3 and (ion adj channel)	32	<u>L7</u>
<u>L6</u>	L3 and (assay or screening)	75	<u>L6</u>
<u>L5</u>	L4 and (GPCR)	11	<u>L5</u>
<u>L4</u>	L3 and (assay or screening)	75	<u>L4</u>
<u>L3</u>	(PDZ adj domain) or (transducisome)	95	<u>L3</u>
<u>L2</u>	Zucker-charles-S\$.in.	3	<u>L2</u>
<u>L1</u>	Zucker-charles-S\$.in.	0	<u>L1</u>

END OF SEARCH HISTORY

PDZ domain-containing protein, 9BP-1, which binds to wildtype, but not a transformation-defective, C-terminal, mutant 9ORF1 protein. The fact that *PDZ* *domains* complex with specific sequences at the free C-terminal end of some proteins led to the recognition that the 9ORF1 C-terminal region contained such a consensus-binding motif. This discovery prompted investigations into whether the 9ORF1 protein associates with additional cellular proteins having *PDZ* *domains*. It was found that the 9ORF1 protein interacts directly, in vitro and in vivo, with the PDZ domain-containing protein hDlg/SAP97 (DLG), which is...
 ?ds

Set	Items	Description
S1	5	(TRANSDUCISOME)
S2	3	RD (unique items)
S3	855	(PDZ (W) DOMAINS) OR (GLGF (W) REPEATS) OR (DHR (W) DOMAIN-S)
S4	14	S3 AND (VECTOR OR PLASMID)
S5	13	RD (unique items)
S6	0	S5 AND (GPCR)
S7	0	S5 AND (MODULATOR OR AGONIST OR ANTAGONIST)
S8	40	S3 AND (SCREENING)
S9	6	S8 AND (TRANSFORMED OR TRANSFECTED)
S10	4	RD (unique items)
S11	21	RD S8 (unique items)

?logoff

```

11jul02 08:14:07 User259876 Session D365.2
  $1.87    0.585 DialUnits File155
    $2.73  13 Type(s) in Format 3
    $2.73  13 Types
$4.60 Estimated cost File155
    $3.83    0.683 DialUnits File5
    $38.50  22 Type(s) in Format 3
    $38.50  22 Types
$42.33 Estimated cost File5
    $4.24    0.471 DialUnits File73
    $15.00   6 Type(s) in Format 3
    $15.00   6 Types
$19.24 Estimated cost File73
    OneSearch, 3 files, 1.739 DialUnits FileOS
  $2.60 TELNET
$68.77 Estimated cost this search
$69.14 Estimated total session cost 1.832 DialUnits
  
```

Status: Signed Off. (12 minutes)

Status: Path 1 of [Dialog Information Services via Modem]

Status: Initializing TCP/IP using (UseTelnetProto 1 ServiceID pto-dialog)
Trying 31060000009999...Open

DIALOG INFORMATION SERVICES

PLEASE LOGON:

***** HHHHHHHH SSSSSSSS?

Status: Signing onto Dialog

ENTER PASSWORD:

***** HHHHHHHH SSSSSSSS? *****

Welcome to DIALOG

Status: Connected

Dialog level 02.05.22D

Last logoff: 08jul02 10:40:58

Logon file001 11jul02 08:02:13

*** ANNOUNCEMENT ***

--Important Notice for Japanese KMKNET Users
KMKNET will be terminated on 5/31/02. Please
switch to DLGNET. Please refer to the G-Search
home page at <http://www.g-search.or.jp>
for more information.

--SourceOne patents are now delivered to your
email inbox as PDF replacing TIFF delivery.
See HELP SOURCE1 for more information.

--Important news for public and academic
libraries. See HELP LIBRARY for more information.

--Important Notice to Freelance Authors--
See HELP FREELANCE for more information

For information about the access to file 43 please see Help News43.

NEW FILES RELEASED

***AGROProjects (File 235)

***ARCHIVES OF DERMATOLOGY - SUBSCRIBERS (File 787)

***ARCHIVES OF GENERAL PSYCHIATRY -SUBSCRIBERS (File 794)

***ARCHIVES OF INTERNAL MEDICINE - SUBSCRIBERS (File 795)

***ARCHIVES OF NEUROLOGY - SUBSCRIBERS (File 796)

***ARCHIVES OF OPHTHALMOLOGY - SUBSCRIBERS (File 797)

***ARCHIVES OF OTOLARYNGOLOGY - SUBSCRIBERS (File 798)

***ARCHIVES OF PEDIATRIC & ADOLESCENT MEDICINE-
Subscribers (File 789)

***ARCHIVES OF SURGERY - SUBSCRIBERS (File 800)

***JAMA - Journal of the American Medical Association -
Subscribers (File 785)

***MIRA (File 81)

***TRADEMARKSCAN-Japan (File 669)

UPDATING RESUMED

***Delphes European Business (File 481)

RELOADED

***CANCERLIT (File 159)

***CLAIMS/US PATENTS (Files 340, 341, 942)

***Kompas Western Europe (File 590)

***D&B - Dun's Market Identifiers (File 516)

***Zoological Record Online (File 185)

REMOVED

***Lancet (File 457)
***Los Angeles Times (File 630)
***Baton Rouge Advocate (File 382)
***Washington Post (File 146)
***Books in Print (File 470)
***Court Filings (File 793)
***Publishers, Distributors & Wholesalers of the U.S. (File 450)
***State Tax Today (File 791)
***Tax Notes Today (File 790)
***Worldwide Tax Daily (File 792)

New document supplier

IMED has been changed to INFOTRIE (see HELP OINFOTRI)

>>>Get immediate news with Dialog's First Release
news service. First Release updates major newswire
databases within 15 minutes of transmission over the
wire. First Release provides full Dialog searchability
and full-text features. To search First Release files in
OneSearch simply BEGIN FIRST for coverage from Dialog's
broad spectrum of news wires.

>>> Enter BEGIN HOMEBASE for Dialog Announcements <<<
>>> of new databases, price changes, etc. <<<

KWIC is set to 50.

HIGHLIGHT set on as '*'

File 1:ERIC 1966-2002/Jun 06
(c) format only 2002 The Dialog Corporation

Set	Items	Description
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Cost is in DialUnits

?b 155, 5, 73

11jul02 08:02:28 User259876 Session D365.1

\$0.32 0.093 DialUnits File1

\$0.32 Estimated cost File1

\$0.05 TELNET

\$0.37 Estimated cost this search

\$0.37 Estimated total session cost 0.093 DialUnits

SYSTEM:OS - DIALOG OneSearch

File 155:MEDLINE(R) 1966-2002/Jul W1

***File 155: Daily alerts are now available. This file has
been reloaded. Accession numbers have changed.**

File 5:Biosis Previews(R) 1969-2002/Jul W1

(c) 2002 BIOSIS

File 73:EMBASE 1974-2002/Jul W1

(c) 2002 Elsevier Science B.V.

***File 73: For information about Explode feature please
see Help News73.**

Set	Items	Description
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?s (transducisome)

S1 5 (TRANSDUCISOME)

?rd

...completed examining records

S2 3 RD (unique items)

?t s2/3,k/all

2/3,K/1 (Item 1 from file: 155)
DIALOG(R) File 155:MEDLINE(R)

10575721 20116886 PMID: 10653185

The PDZ assembled "*transducisome*" of microvillar photoreceptors: the TRP/TRPL problem.

Paulsen R; Bahner M; Huber A
Department of Cell- and Neurobiology, University of Karlsruhe, Germany.
Pflugers Archiv : European journal of physiology (GERMANY) 2000, 439
(3 Suppl) pR181-3, ISSN 0031-6768 Journal Code: 0154720
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

The PDZ assembled "*transducisome*" of microvillar photoreceptors: the TRP/TRPL problem.

... are activated upon light-absorption in rhabdomeral photoreceptor membranes of fly compound eyes. Whereas TRP is associated with other signaling proteins into a multiprotein complex (*transducisome*), the molecular organization of TRPL is discussed controversially. We analysed the TRPL content of blowfly rhabdomeral membranes and investigated by co-immunoprecipitation studies whether or not TRPL is part of the *transducisome*. Compared to TRP there are at least ten times less TRPL molecules present in the rhabdomeral membrane. A small fraction of the total TRPL present co-immunoprecipitates with other proteins of the *transducisome* and vice versa. Our data suggest that a significant fraction of TRPL is not incorporated into the *transducisome*. This fraction may either form independent ion channels or bind to the *transducisome* transiently.

2/3,K/2 (Item 1 from file: 5)
DIALOG(R) File 5:Biosis Previews(R)
(c) 2002 BIOSIS. All rts. reserv.

11957043 BIOSIS NO.: 199900203152

PDZ domains: Fundamental building blocks in the organization of protein complexes at the plasma membrane.

AUTHOR: Fanning Alan S(a); Anderson James Melvin
AUTHOR ADDRESS: (a)Section of Digestive Diseases, Yale University School of Medicine, New Haven, CT, 06520-8019**USA
JOURNAL: Journal of Clinical Investigation 103 (6):p767-772 March, 1999
ISSN: 0021-9738
DOCUMENT TYPE: Article
RECORD TYPE: Citation
LANGUAGE: English

DESCRIPTORS:

CHEMICALS & BIOCHEMICALS: ...*transducisome*

2/3,K/3 (Item 2 from file: 5)
DIALOG(R) File 5:Biosis Previews(R)
(c) 2002 BIOSIS. All rts. reserv.

11038424 BIOSIS NO.: 199799659569

A multivalent PDZ-domain protein assembles signalling complexes in a G-protein-coupled cascade.

AUTHOR: Tsunoda Susan; Sierralta Jimena; Sun Yumei; Bodner Ruth; Suzuki Emiko; Becker Ann; Socolich Michael; Zuker Charles S(a)
AUTHOR ADDRESS: (a)Howard Hughes Med. Inst., Dep. Neurosci., Univ. California at San Diego, La Jolla, CA 92093-0649**USA
JOURNAL: Nature (London) 388 (6639):p243-249 1997
ISSN: 0028-0836

RECORD TYPE: Abstract
LANGUAGE: English

...ABSTRACT: signalling complexes that lack the target protein and display corresponding defects in their physiology. A picture emerges of a highly organized unit of signalling, a '*transducisome*', with PDZ domains functioning as key elements in the organization of transduction complexes in vivo.

?ds

Set	Items	Description
S1	5	(TRANSDUCISOME)
S2	3	RD (unique items)
?s (PDZ (w) domains) or (GLGF (w) repeats) or (DHR (w) domains)		
	2551	PDZ
	184274	DOMAINS
	837	PDZ (W) DOMAINS
	86	GLGF
	65099	REPEATS
	16	GLGF (W) REPEATS
	646	DHR
	184274	DOMAINS
	15	DHR (W) DOMAINS
S3	855	(PDZ (W) DOMAINS) OR (GLGF (W) REPEATS) OR (DHR (W) DOMAINS)
?s s3 and (vector or plasmid)		
	855	S3
	188986	VECTOR
	166432	PLASMID
S4	14	S3 AND (VECTOR OR PLASMID)
?rd		
...completed examining records		
S5	13	RD (unique items)
?s s5 and (GPCR)		
	13	S5
	1835	GPCR
S6	0	S5 AND (GPCR)
?s s5 and (modulator or agonist or antagonist)		
	13	S5
	25361	MODULATOR
	244827	AGONIST
	365266	ANTAGONIST
S7	0	S5 AND (MODULATOR OR AGONIST OR ANTAGONIST)
?t s5/3,k/all		

5/3,K/1 (Item 1 from file: 155)
DIALOG(R) File 155:MEDLINE(R)

10562121 20095047 PMID: 10627592

Neuronal inwardly rectifying K(+) channels differentially couple to PDZ proteins of the PSD-95/SAP90 family.

Nehring R B; Wischmeyer E; Doring F; Veh R W; Sheng M; Karschin A
Molecular Neurobiology of Signal Transduction, Max-Planck-Institut for Biophysical Chemistry, 37070 Gottingen, Germany.

Journal of neuroscience : the official journal of the Society for Neuroscience (UNITED STATES) Jan 1 2000, 20 (1) p156-62, ISSN 1529-2401 Journal Code: 8102140

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

... and Kir3.4(-) subunits (+, motif present; -, motif absent) were used as baits in the yeast two-hybrid assay to screen for in vivo interaction with *PDZ* *domains* 1-3 of PSD-95/SAP90. In contrast to Kir2.1 and Kir2.3, all Kir3 fragments failed to bind PSD-95 in this assay...

... the entire proteins in mammalian cells. A detailed analysis of interaction domains demonstrated that the C-terminal motif in Kir3 channels is insufficient for binding *PDZ* *domains*. Kir2.1 and Kir2.3 subunits on the other hand coprecipitate with PSD-95. When coexpressed in a bicistronic internal ribosome entry site expression *vector* in HEK-293 cells macroscopic and elementary current analysis revealed that PSD-95 suppressed the activity of Kir2.3 channels by >50%. This inhibitory action...

5/3,K/2 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
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13632631 BIOSIS NO.: 200200261452

The cytoplasmic domain of Kit ligand interacts with cellular proteins through a PDZ domain on the target protein.

AUTHOR: Wang Kan-Kan(a); Minden Mark D(a)

AUTHOR ADDRESS: (a)Cell and Molecular Biology, Ontario Cancer Institute, Toronto, ON**Canada

JOURNAL: Blood 98 (11 Part 1):p797a-798a November 16, 2001

MEDIUM: print

CONFERENCE/MEETING: 43rd Annual Meeting of the American Society of Hematology, Part 1 Orlando, Florida, USA December 07-11, 2001

ISSN: 0006-4971

RECORD TYPE: Abstract

LANGUAGE: English

...ABSTRACT: to the GAL4 transactivation domain, and clones growing in the absence of histadine were isolated. Positive clones were verified as true interactions by isolating the *plasmid* carrying the activation domain and transferring this into Y187 yeast containing GAL4-KL. Following verification, the clones were sequenced, identifying three different genes. These are...

...domain. In the screen for KL interacting proteins, PRSS11 was isolated several times. In all cases the PDZ domain was present. Proteins that bind to *PDZ* *domains* usually do so through their extreme C terminal amino acids, the most important being the last and second to last positions; these are usually occupied...

DESCRIPTORS:

CHEMICALS & BIOCHEMICALS: ...*plasmid*;

5/3,K/3 (Item 2 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
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13308535 BIOSIS NO.: 200100515684

Identification of GRIP-1 as a potential interacting protein for the rat D3 dopamine receptor.

AUTHOR: Kim O J(a); Hower L M(a); Boivin M R(a); Sibley D R(a)

AUTHOR ADDRESS: (a)NINDS/NIH, Bethesda, MD**USA

JOURNAL: Society for Neuroscience Abstracts 27 (1):p991 2001

MEDIUM: print

CONFERENCE/MEETING: 31st Annual Meeting of the Society for Neuroscience San Diego, California, USA November 10-15, 2001

ISSN: 0190-5295

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

...ABSTRACT: GRIP-1, (Glutamate Receptor-Interacting Protein-1) a scaffolding protein known to interact with AMPA receptors. Our partial-length cDNA contains the fourth and fifth *PDZ* *domains* of the GRIP-1 protein, which had previously been shown to be required for AMPA receptor interactions. The specificity of the interaction of the D3 DAR

and the partial-length P-1 clone was verified using a rresponding yeast expression *vector* that lacks inserts which showed no growth on -leu plates and no color change on X-gal plates. The partial-length GRIP-1 clone was...

5/3,K/4 (Item 3 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
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13149054 BIOSIS NO.: 200100356203

Identification of functional PDZ domain binding sites in several human proteins.

AUTHOR: Fabre Stephane; Reynaud Caroline; Jalinot Pierre(a)
AUTHOR ADDRESS: (a)Laboratoire de Biologie Moleculaire et Cellulaire, UMR
5665 CNRS-ENSL, 46, Allée d'Italie, 69364, Lyon Cedex 07:
pjalinet@ens-lyon.fr**France
JOURNAL: Molecular Biology Reports 27 (4):p217-224 December, 2000
MEDIUM: print
ISSN: 0301-4851
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

...ABSTRACT: 15 was previously identified as a cellular protein that can bind to the C-terminal end of the HTLV-1 Tax protein via its two *PDZ* domains*. The sequence of the N-terminal part of TIP-15 is identical to that of the synaptic protein PSD-95. Both proteins are likely to...
...METHODS & EQUIPMENT: gene expression/*vector* techniques, genetic method

5/3,K/5 (Item 4 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
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13114403 BIOSIS NO.: 200100321552

***PDZ* domains* of ZO-2 modulate RPE tight junctions.**

AUTHOR: Rizzolo L J(a); Peng S(a); Wilt S D(a)
AUTHOR ADDRESS: (a)Surgery/Anatomy, Yale Univ, New Haven, CT**USA
JOURNAL: IOVS 42 (4):pS751 March 15, 2001
MEDIUM: print
CONFERENCE/MEETING: Annual Meeting of the Association for Research in Vision and Ophthalmology Fort Lauderdale, Florida, USA April 29-May 04, 2001
RECORD TYPE: Citation
LANGUAGE: English
SUMMARY LANGUAGE: English

***PDZ* domains* of ZO-2 modulate RPE tight junctions.**
DESCRIPTORS:
...ORGANISMS: *vector*;

5/3,K/6 (Item 5 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
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13094126 BIOSIS NO.: 200100301275

Interaction of serotonin 5-hydroxytryptamine type 2C receptors with PDZ10 of the multi-PDZ domain protein MUPP1.

AUTHOR: Becamel Carine; Figge Andrea; Poliak Sebastian; Dumuis Aline; Peles Elior; Bockaert Joel; Luebbert Hermann; Ullmer Christoph(a)
AUTHOR ADDRESS: (a)Biofrontera Pharmaceuticals AG, Hemmelratherweg 201,
51377, Leverkusen: ullmer@biofrontera.de**Germany

JOURNAL: Journal of Biological Chemistry 276 (16):p12974-12982 April 20, 2001
MEDIUM: print
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

...ABSTRACT: the yeast two-hybrid system, we previously isolated a cDNA clone encoding a novel member of the multivalent PDZ protein family called MUPP1 containing 13 *PDZ* *domains*. Here we report that the C terminus of the 5-hydroxytryptamine type 2C (5-HT2C) receptor selectively interacts with the 10th PDZ domain of MUPP1...
...the MUPP1 protein. Moreover, 5-HT2A and 5-HT2B, sharing the C-terminal EX(V/I)SXV sequence with 5-HT2C receptors, also bind MUPP1 *PDZ* *domains* in vitro. The highest MUPP1 mRNA levels were found in all cerebral cortical layers, the hippocampus, the granular layer of the dentate gyrus, as well...
...METHODS & EQUIPMENT: gene expression/*vector* techniques, genetic method...

5/3,K/7 (Item 6 from file: 5)
DIALOG(R) File 5:Biosis Previews(R)
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12663795 BIOSIS NO.: 200000417297

Evidence for ezrin-radixin-moesin-binding phosphoprotein 50 (EBP50) self-association through PDZ-PDZ interactions.

AUTHOR: Fouassier Laura; Yun C Chris; Fitz J Gregory; Doctor R Brian(a)
AUTHOR ADDRESS: (a)University of Colorado Health Sciences Center, 4200 East Ninth Ave., Denver, CO, 80262**USA
JOURNAL: Journal of Biological Chemistry 275 (32):p25039-25045 August 11, 2000
MEDIUM: print
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

...ABSTRACT: binding phosphoprotein 50 (EBP50) is a versatile membrane-cytoskeleton linking protein that binds to the COOH-tail of specific integral membrane proteins through its two *PDZ* *domains*. These EBP50 binding interactions have been implicated in sequestering interactive sets of proteins into common microdomains, regulating the activity of interacting proteins, and modulating membrane protein trafficking. With only two *PDZ* *domains*, it is unclear how EBP50 forms multiprotein complexes. Other PDZ proteins increase their breadth and diversity of protein interactions through oligomerization. Hypothesizing that EBP50 self...

...binding interaction indicates it is both saturable and of relatively high affinity. Analysis of truncated EBP50 proteins indicates EBP50 self-association is mediated through its *PDZ* *domains*. The ability to self-associate provides a mechanism for EBP50 to expand its capacity to form multiprotein complexes and regulate membrane transport events.
...METHODS & EQUIPMENT: gene expression/*vector* techniques, molecular genetic method

5/3,K/8 (Item 7 from file: 5)
DIALOG(R) File 5:Biosis Previews(R)
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12224168 BIOSIS NO.: 19 0519017

Identification of syntenin as a protein of the apical early endocytic compartment in Madin-Darby canine kidney cells.

AUTHOR: Fialka Irene; Steinlein Peter; Ahorn Horst; Bock Gunther; Burbelo Peter D; Haberfellner Michaela; Lottspeich Friedrich; Paiha Karin; Pasquali Christian; Huber Lukas A(a)

AUTHOR ADDRESS: (a)Research Institute of Molecular Pathology, Dr. Bohr Gasse 7, A-1030, Vienna**Austria

JOURNAL: Journal of Biological Chemistry 274 (37):p26233-26239 Sept. 10, 1999

ISSN: 0021-9258

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

...ABSTRACT: to be specifically enriched in apical or basolateral endocytic vesicles. An apical protein identified by microsequencing was the adaptor molecule syntenin. This protein contains two *PDZ* *domains* (PSD-95, Dlg, and ZO-1 homology) that bind syndecan and ephrin-B2 cytoplasmic domains. In MDCK cells, transiently overexpressed Myc-tagged syntenin localized to...

...METHODS & EQUIPMENT: gene expression/*vector* techniques, genetic method...

5/3,K/9 (Item 8 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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12090529 BIOSIS NO.: 199900385378

Cypher, a striated muscle-restricted PDZ and LIM domain-containing protein, binds to alpha-actinin-2 and protein kinase C.

AUTHOR: Zhou Qiang; Ruiz-Lozano Pilar; Martone Maryann E; Chen Ju(a)

AUTHOR ADDRESS: (a)Dept. of Medicine, University of California at San Diego, School of Medicine, 9500 Gilman Dr., L**USA

JOURNAL: Journal of Biological Chemistry 274 (28):p19807-19813 July 9, 1999

ISSN: 0021-9258

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

...ABSTRACT: and striated muscle in embryonic and adult stages. By biochemical assays, we have demonstrated that Cypher1 and Cypher2 bind to alpha-actinin-2 via their *PDZ* *domains*. This interaction has been further confirmed by immunohistochemical studies that demonstrated co-localization of Cypher and alpha-actinin at the Z-lines of cardiac muscle...

...METHODS & EQUIPMENT: *plasmid* construction

5/3,K/10 (Item 9 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2002 BIOSIS. All rts. reserv.

11708547 BIOSIS NO.: 199800490278

Identification of sorting determinants in the C-terminal cytoplasmic tails of the gamma-aminobutyric acid transporters GAT-2 and GAT-3.

AUTHOR: Muth Theodore R(a); Ahn Jinhi; Caplan Michael J

AUTHOR ADDRESS: (a)Dep. Cell Biol., Yale Univ. Sch. Med., New Haven, CT 06520**USA

JOURNAL: Journal of Biological Chemistry 273 (40):p25616-25627 Oct. 2, 1998

ISSN: 0021-9258

DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

...ABSTRACT: the final three amino acids of GAT-3 (THF) similarly disrupts its apical sorting. The GAT-3 C-terminal sequence resembles motifs which interact with *PDZ* *domains*, raising the possibility that the steady state distribution of GAT-3 at the apical plasmalemmal surface requires a protein-protein interaction mediated by its extreme...
...METHODS & EQUIPMENT: gene expression/*vector* techniques, genetic method...

5/3,K/11 (Item 10 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2002 BIOSIS. All rts. reserv.

11702506 BIOSIS NO.: 199800484237

Novel anchorage of GluR2/3 to the postsynaptic density by the AMPA receptor-binding protein ABP.

AUTHOR: Srivastava S; Osten P; Vilim F S; Khatri L; Inman G; States B; Daly C; Desouza S; Abagyan R; Valtschanoff J G; Weinberg R J; Ziff E B(a)
AUTHOR ADDRESS: (a)Howard Hughes Med. Inst., Dep. Biochem. New York Med. Cent., New York, NY 10016**USA
JOURNAL: Neuron 21 (3):p581-591 Sept., 1998
ISSN: 0896-6273
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

...ABSTRACT: isoxazole propionic acid (AMPA) receptor-binding protein (ABP), a postsynaptic density (PSD) protein related to glutamate receptor-interacting protein (GRIP) with two sets of three *PDZ* *domains*, which binds the GluR2/3 AMPA receptor subunits. ABP exhibits widespread CNS expression and is found at the postsynaptic membrane. We show that the protein...
...METHODS & EQUIPMENT: gene expression/*vector* techniques, genetic method...

5/3,K/12 (Item 1 from file: 73)
DIALOG(R)File 73:EMBASE
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10667883 EMBASE No: 2000147106

Neuronal inwardly rectifying Ksup + channels differentially couple to PDZ proteins of the PSD-95/SAP90 family

Nehring R.B.; Wischmeyer E.; Doring F.; Veh R.W.; Sheng M.; Karschin A.
Dr. A. Karschin, Max-PlanckInst. for Biophys. Chem., Molec. Neurobiol. Signal Transduct., Am Fassberg 11, 37070 Gottingen Germany
AUTHOR EMAIL: akarsch@gwdg.de
Journal of Neuroscience (J. NEUROSCI.) (United States) 01 JAN 2000, 20/1 (156-162)
CODEN: JNRSD ISSN: 0270-6474
DOCUMENT TYPE: Journal; Article
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH
NUMBER OF REFERENCES: 59

...and Kir3.4(-) subunits (+, motif present; -, motif absent) were used as baits in the yeast two-hybrid assay to screen for in vivo interaction with *PDZ* *domains* 1-3 of PSD-95/SAP90. In contrast to Kir2.1 and Kir2.3, all Kir3 fragments failed to bind PSD-95 in this assay...

...the entire proteins in mammalian cells. A detailed analysis of interaction domains demonstrated that the C-terminal motif in Kir3 channels is insufficient for binding *PDZ* *domains*. Kir2.1 and Kir2.3 subunits on

the other hand coprecipitate with PSD-95. When coexpressed in a bicistronic internal ribosome entry site expression *vector* in HEK-293 cells macroscopic and elementary current analysis revealed that PSD-95 suppressed the activity of Kir2.3 channels by >50%. This inhibitory action...

5/3,K/13 (Item 2 from file: 73)
 DIALOG(R) File 73:EMBASE
 (c) 2002 Elsevier Science B.V. All rights reserved.

07848762 EMBASE No: 1999322183

Molecular cloning of the cDNA and promoter sequences for the mouse sodium-hydrogen exchanger regulatory factor

Weinman E.J.; Steplock D.; Zhang X.; Akhter S.; Shenolikar S.
 E.J. Weinman, Department of Medicine, West Virginia University, School of Medicine, 1 Medical Center Drive, Morgantown, WV 26505 United States
 AUTHOR EMAIL: eweinman@wvudeptmed1.hsc.wvu.edu
 Biochimica et Biophysica Acta - Gene Structure and Expression (BIOCHIM. BIOPHYS. ACTA GENE STRUCT. EXPR.) (Netherlands) 1999, 1447/1 (71-76)
 CODEN: BBGSD ISSN: 0167-4781
 PUBLISHER ITEM IDENTIFIER: S0167478199001001
 DOCUMENT TYPE: Journal; Article
 LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH
 NUMBER OF REFERENCES: 16

...NHE-RF cDNA, isolated from a mouse kidney cDNA library, predicted a polypeptide of 356 amino acids that shares striking sequence conservation within the two *PDZ* domains and in-vitro phosphorylation sites with the human and rat homologs. The nucleotide sequence 5' of the transcription start site, identified by primer extension analysis...

DRUG DESCRIPTORS:

complementary DNA--endogenous compound--ec; luciferase; cell protein
 --endogenous compound--ec; cytoskeleton protein--endogenous compound--ec;
 plasmid DNA--endogenous compound--ec; estrogen receptor--endogenous compound--ec; 7alpha [9 (4,4,5,5,5 pentafluoropentylsulfinyl)nonyl]estra-1,3,5(10) triene 3...
 ?ds

Set	Items	Description
S1	5	(TRANSDUCISOME)
S2	3	RD (unique items)
S3	855	(PDZ (W) DOMAINS) OR (GLGF (W) REPEATS) OR (DHR (W) DOMAIN-S)
S4	14	S3 AND (VECTOR OR PLASMID)
S5	13	RD (unique items)
S6	0	S5 AND (GPCR)
S7	0	S5 AND (MODULATOR OR AGONIST OR ANTAGONIST)
?s s3 and (screening)		
	855	S3
	450645	SCREENING
S8	40	S3 AND (SCREENING)
?s s8 and (transformed or transfected)		
	40	S8
	148472	TRANSFORMED
	109981	TRANSFECTED
S9	6	S8 AND (TRANSFORMED OR TRANSFECTED)
?rd		
...completed examining records		
S10	4	RD (unique items)
?t s10/3,k/all		

10/3,K/1 (Item 1 from file: 155)
 DIALOG(R) File 155:MEDLINE(R)

09776129 98198478 PMID: 9531559

ZO-3, a novel member of the MAGUK protein family found at the tight

junction, interacts with ZO-1 and occludin.

Haskins J; Gu L; Wittchen E S; Hibbard J; Stevenson B R

Department of Cell Biology and Anatomy, University of Alberta, Edmonton, Alberta T6G 2H7, Canada.

Journal of cell biology (UNITED STATES) Apr 6 1998, 141 (1) p199-208

, ISSN 0021-9525 Journal Code: 0375356

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

... Darby canine kidney (MDCK) cells and subjected to partial endopeptidase digestion and amino acid sequencing. A resulting 19-amino acid sequence provided the basis for *screening* canine cDNA libraries. Five overlapping clones contained a single open reading frame of 2,694 bp coding for a protein of 898 amino acids with a predicted molecular mass of 98,414 daltons. Sequence analysis showed that this protein contains three PSD-95/SAP90, discs-large, ZO-1 (*PDZ*) *domains*, a src homology (SH3) domain, and a region similar to guanylate kinase, making it homologous to ZO-1, ZO-2, the discs large tumor suppressor...

...proteins. Like ZO-1 and ZO-2, the novel protein contains a COOH-terminal acidic domain and a basic region between the first and second *PDZ* *domains*. Unlike ZO-1 and ZO-2, this protein displays a proline-rich region between PDZ2 and PDZ3 and apparently contains no alternatively spliced domain. MDCK cells stably *transfected* with an epitope-tagged construct expressed the exogenous polypeptide at an apparent molecular mass of approximately 130 kD. Moreover, this protein colocalized with ZO-1...

10/3,K/2 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2002 BIOSIS. All rts. reserv.

13024527 BIOSIS NO.: 200100231676

The neuronal adaptor protein Xl1alpha interacts with the copper chaperone for SOD1 and regulates SOD1 activity.

AUTHOR: McLoughlin Declan M; Standen Claire L; Lau Kwok-Fai; Ackerley

Steven; Bartnikas Thomas P; Gitlin Jonathan D; Miller Christopher C J(a)

AUTHOR ADDRESS: (a)Dept. of Neuroscience, Institute of Psychiatry, De Crespigny Park, Denmark Hill, London, SE5 8AF: chris.miller@iop.kcl.ac.uk
**UK

JOURNAL: Journal of Biological Chemistry 276 (12):p9303-9307 March 23, 2001

MEDIUM: print

ISSN: 0021-9258

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

...ABSTRACT: participates in the formation of multiprotein complexes and intracellular trafficking. It contains a series of discrete protein-protein interaction domains including two contiguous C-terminal *PDZ* *domains*. We used the yeast two-hybrid system to screen for proteins that interact with the *PDZ* *domains* of human Xl1alpha, and we isolated a clone encoding domains II and III of the copper chaperone for Cu,Zn-superoxide dismutase-1 (CCS). The...

...delivers the copper cofactor to the antioxidant superoxide dismutase-1 (SOD1) enzyme and is required for its activity. Overexpression of Xl1alpha inhibited SOD1 activity in *transfected* Chinese hamster ovary cells which suggests that Xl1alpha binding to CCS is inhibitory to SOD1 activation. Xl1alpha also interacts with another copper-binding protein found...

...METHODS & EQUIPMENT: *screening* method

10/3,K/3 (Item 2 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2002 BIOSIS. All rts. reserv.

12913782 BIOSIS NO.: 200100120931

Clustering of stargazin by PSD-95.

AUTHOR: Chetkovich D M(a); Chen L; Bunn R C; Sweeney N T; Aguilera-Moreno A
; Nicoll R A; Bredt D S

AUTHOR ADDRESS: (a)UCSF, San Francisco, CA**USA

JOURNAL: Society for Neuroscience Abstracts 26 (1-2):pAbstract No-7175
2000

MEDIUM: print

CONFERENCE/MEETING: 30th Annual Meeting of the Society of Neuroscience New
Orleans, LA, USA November 04-09, 2000

SPONSOR: Society for Neuroscience

ISSN: 0190-5295

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

...ABSTRACT: is a 36-kD protein subunit of the voltage gated calcium channel. The C-terminus of stargazin consists of the PDZ binding consensus sequence, -TPV*. *Screening* a rat brain yeast 2-hybrid library with the C-terminal 120 amino acids of stargazin identified 18 positive clones, encoding the *PDZ* *domains* of PSD-95/93 and SAP97/102. When cotransfected with PSD-95 and PSD-93, robust surface clustering of stargazin was noted. Additionally, stargazin co-immunoprecipitated with PSD-95, PSD-93, SAP-97 and SAP102 from co-*transfected* COS-7 cells. The clustering of stargazin was dependent on the PDZ interaction, as no clustering was observed when PSD-95 was co-*transfected* with a stargazin construct containing a mutation of threonine residue 321 to alanine, a mutation predicted to disrupt PDZ-substrate interactions.

10/3,K/4 (Item 1 from file: 73)

DIALOG(R)File 73:EMBASE

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11302222 EMBASE No: 2001316415

Connexin45 directly binds to ZO-1 and localizes to the tight junction region in epithelial MDCK cells

Kausalya P.J.; Reichert M.; Hunziker W.

W. Hunziker, Inst. of Molecular and Cell Biology, Epithelial Cell Biology Laboratory, 30 Medical Drive, Singapore 117609 Singapore

AUTHOR EMAIL: hunziker@imcb.nus.edu.sg

FEBS Letters (FEBS LETT.) (Netherlands) 07 SEP 2001, 505/1 (92-96)

CODEN: FEBLA ISSN: 0014-5793

PUBLISHER ITEM IDENTIFIER: S0014579301027867

DOCUMENT TYPE: Journal ; Article

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 23

...molecule to the actin cytoskeleton. The interaction between ZO-1 and claudin or junctional adhesion molecule occurs via the amino-terminal PSD95/Dlg/ZO-1 (*PDZ*) *domains* in ZO-1. A yeast two-hybrid screen to search for proteins that interact with the *PDZ* *domains* of ZO-1 identified connexin (Cx) 45. Cx45 interacts with the *PDZ* *domains* of ZO-1 and ZO-3, but not ZO-2, via a short C-terminal PDZ binding motif (SVWI). In *transfected* epithelial Madin-Darby canine kidney cells, Cx45 co-localizes with endogenous ZO-1 at or near tight junctions and co-precipitation experiments show that Cx45...

MEDICAL DESCRIPTORS:

...domain; protein binding; protein motif; cell strain; epithelium cell; kidney cell; protein localization; tight junction; precipitation; gap

junction; signal transduction; cell communication; two hybrid system;
 screening; dog; genetic transfection; carboxy terminal sequence; human;
 nonhuman; controlled study; animal cell; article; priority journal
 ?ds

Set	Items	Description
S1	5	(TRANSDUCISOME)
S2	3	RD (unique items)
S3	855	(PDZ (W) DOMAINS) OR (GLGF (W) REPEATS) OR (DHR (W) DOMAIN-S)
S4	14	S3 AND (VECTOR OR PLASMID)
S5	13	RD (unique items)
S6	0	S5 AND (GPCR)
S7	0	S5 AND (MODULATOR OR AGONIST OR ANTAGONIST)
S8	40	S3 AND (SCREENING)
S9	6	S8 AND (TRANSFORMED OR TRANSFECTED)
S10	4	RD (unique items)

?rd s8

...completed examining records

S11 21 RD S8 (unique items)

?t s11/3,k/all

11/3,K/1 (Item 1 from file: 155)
 DIALOG(R) File 155:MEDLINE(R)

11292001 21329019 PMID: 11434923

Rat protein tyrosine phosphatase eta physically interacts with the *PDZ* domains* of syntenin.

Iuliano R; Trapasso F; Sama I; Le Pera I; Martelli M L; Lembo F; Santoro M; Viglietto G; Chiariotti L; Fusco A

Dipartimento di Medicina Sperimentale e Clinica, Universita degli Studi di Catanzaro Magna Graecia, 88100 Catanzaro, Italy.

FEBS letters (Netherlands) Jun 29 2001, 500 (1-2) p41-4, ISSN 0014-5793 Journal Code: 0155157

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

Rat protein tyrosine phosphatase eta physically interacts with the *PDZ* domains* of syntenin.

... r-PTPeta is able to suppress the malignant phenotype of rat thyroid tumorigenic cell lines. To identify r-PTPeta interacting proteins, a yeast two-hybrid *screening* was performed and an insert corresponding to the full-length syntenin cDNA was isolated. It encodes a protein containing two *PDZ* domains* that mediates the binding of syntenin to proteins such as syndecan, proTGF-alpha, beta-ephrens and neurofascin. We show that r-PTPeta is able to...

... syntenin also in mammalian cells, and although syntenin is a tyrosine-phosphorylated protein it is not a substrate of r-PTPeta. The integrity of both *PDZ* domains* of syntenin and the carboxy-terminal region of r-PTPeta are required for the interaction between syntenin and r-PTPeta.

11/3,K/2 (Item 2 from file: 155)
 DIALOG(R) File 155:MEDLINE(R)

10933208 20496108 PMID: 11043403

The receptor tyrosine phosphatase-like protein ICA512 binds the *PDZ* domains* of beta2-syntrophin and nNOS in pancreatic beta-cells.

Ort T; Maksimova E; Dirkx R; Kachinsky A M; Berghs S; Froehner S C; Solimena M

Department of Internal Medicine, Yale University School of Medicine, New Haven, Connecticut 06510, USA.

European journal of cell biology (GERMANY) Sep 2000, (9) p621-30,
ISSN 0171-9335 Journal Code: 7906240
Contract/Grant No.: N533145; PHS
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

The receptor tyrosine phosphatase-like protein ICA512 binds the *PDZ* domains* of beta2-syntrophin and nNOS in pancreatic beta-cells.

... with members of the dystrophin family including utrophin, as well as the signaling molecule neuronal nitric oxide synthase (nNOS). The cDNA isolated by two-hybrid *screening* corresponded to a novel beta2-syntrophin isoform with a predicted molecular mass of 28 kDa. This isoform included the PDZ domain, but not the C...

11/3,K/3 (Item 3 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

10613339 20148748 PMID: 10681527

Identification and characterization of a PDZ protein that interacts with activin type II receptors.

Shoji H; Tsuchida K; Kishi H; Yamakawa N; Matsuzaki T; Liu Z; Nakamura T; Sugino H

Institute for Enzyme Research, University of Tokushima, 3-18-15 Kuramoto, Tokushima 770-8503, Japan.

Journal of biological chemistry (UNITED STATES) Feb 25 2000, 275 (8) p5485-92, ISSN 0021-9258 Journal Code: 2985121R

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

... PDZ protein that interacts with the activin type IIA receptor (ActRIIA), which we named activin receptor-interacting protein 1 (ARIP1). By using yeast two-hybrid *screening*, we isolated a cDNA clone of ARIP1 from a mouse brain cDNA library. We detected two forms of ARIP1, ARIP1-long and ARIP1-short, which...

...be produced by alternative splicing. ARIP1-long had one guanylate kinase domain in the NH(2)-terminal region, followed by two WW domains and five *PDZ* domains* (PDZ1-5). ARIP1-short had a deletion in the NH(2)-terminal region and lacked the guanylate kinase domain. Both forms interacted with ActRIIA through...

11/3,K/4 (Item 4 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

10602347 20125928 PMID: 10657980

The importance of being proline: the interaction of proline-rich motifs in signaling proteins with their cognate domains.

Kay B K; Williamson M P; Sudol M

Department of Pharmacology, University of Wisconsin-Madison, Madison, Wisconsin 53706-1532, USA. bkkay@facstaff.wisc.edu

FASEB journal : official publication of the Federation of American Societies for Experimental Biology (UNITED STATES) Feb 2000, 14 (2) p231-41, ISSN 0892-6638 Journal Code: 8804484

Document type: Journal Article; Review; Review, Tutorial

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

A common focus among molecular and cellular biologists is the identification of proteins that interact with each other. Yeast two-hybrid,

cdNA expression library screening*, and coimmunoprecipitation experiments are powerful methods for identifying novel proteins that bind to one's favorite protein for the purpose of learning more regarding its...

... 1). Other examples include protein-interaction modules, such as Src homology (SH) 2 and 3 domains, phosphotyrosine binding domains (PTB), postsynaptic density/disc-large/ZO1 (*PDZ*) domains, WW domains, Eps15 homology (EH) domains, and 14-3-3 proteins that typically recognize linear regions of 3-9 amino acids. Each of these domains...

11/3,K/5 (Item 5 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

10553135 20076450 PMID: 10608844

RA-GEF, a novel Rap1A guanine nucleotide exchange factor containing a Ras/Rap1A-associating domain, is conserved between nematode and humans.

Liao Y; Kariya K; Hu C D; Shibatohe M; Goshima M; Okada T; Watari Y; Gao X; Jin T G; Yamawaki-Kataoka Y; Kataoka T

Department of Physiology II, Kobe University School of Medicine, 7-5-1 Kusunoki-cho, Chuo-ku, Kobe 650-0017, Japan.

Journal of biological chemistry (UNITED STATES) Dec 31 1999, 274 (53) p37815-20, ISSN 0021-9258 Journal Code: 2985121R

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

A yeast two-hybrid *screening* for Ras-binding proteins in nematode *Caenorhabditis elegans* has identified a guanine nucleotide exchange factor (GEF) containing a Ras/Rap1A-associating (RA) domain, termed Ce...

... cAMP or cGMP. Although the REM and GEF domains are conserved with other GEFs acting on Ras family small GTP-binding proteins, the RA and *PDZ* domains are unseen in any of them. Hs-RA-GEF exhibited not only a GTP-dependent binding activity to Rap1A at its RA domain but also...

11/3,K/6 (Item 6 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

10162349 99150368 PMID: 10026200

Interaction of NE-dlg/SAP102, a neuronal and endocrine tissue-specific membrane-associated guanylate kinase protein, with calmodulin and PSD-95/SAP90. A possible regulatory role in molecular clustering at synaptic sites.

Masuko N; Makino K; Kuwahara H; Fukunaga K; Sudo T; Araki N; Yamamoto H; Yamada Y; Miyamoto E; Saya H

Department of Tumor Genetics and Biology, Kumamoto University School of Medicine, 2-2-1, Honjo, Kumamoto 860-0811, Japan.

Journal of biological chemistry (UNITED STATES) Feb 26 1999, 274 (9) p5782-90, ISSN 0021-9258 Journal Code: 2985121R

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

... immobilized calmodulin with a Kd value of 44 nM. However, the binding of Ca2+/calmodulin to NE-dlg/SAP102 did not modulate the interaction between *PDZ* domains of NE-dlg/SAP102 and the C-terminal end of rat NR2B. We have also identified that the region near the calmodulin binding site of NE-dlg/SAP102 interacts with the GUK-like domain of PSD-95/SAP90 by two-hybrid *screening*. Pull down assay revealed that NE-dlg/SAP102 can interact with PSD-95/SAP90 in the presence of both Ca2+ and calmodulin. These findings suggest...

11/3,K/7 (Item 7 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

10119000 99102074 PMID: 9882613

Association of protein-tyrosine phosphatase PTP-BAS with the transcription-factor-inhibitory protein IkappaBalph through interaction between the PDZ1 domain and ankyrin repeats.

Maekawa K; Imagawa N; Naito A; Harada S; Yoshie O; Takagi S
Shionogi Institute for Medical Science, 2-5-1 Mishima, Settsu-shi, Osaka 566-0022, Japan. kazuhiko.maekawa@shionogi.co.jp
Biochemical journal (ENGLAND) Jan 15 1999, 337 (Pt 2) p179-84,
ISSN 0264-6021 Journal Code: 2984726R
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

... homology region and five PDZ (PSD-95 Dlg ZO-1) [discs-large homology region ('DHR')/Gly-Leu-Gly-Phe ('GLGF')] domains. The second and fourth *PDZ* *domains* were reported to associate with Fas/CD95. By using the first PDZ domain as a bait in yeast two-hybrid *screening*, we have identified IkappaBalph as a binding protein. IkappaBalph associated with PDZ1 through the stretch of the N-terminal three ankyrin repeats. The association was...

11/3,K/8 (Item 8 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

09925545 98361985 PMID: 9694864

A novel multiple PDZ domain-containing molecule interacting with N-methyl-D-aspartate receptors and neuronal cell adhesion proteins.

Hirao K; Hata Y; Ide N; Takeuchi M; Irie M; Yao I; Deguchi M; Toyoda A; Sudhof T C; Takai Y
Takai Biotimer Project, ERATO, Japan Science and Technology Corporation, c/o JCR Pharmaceuticals Co. Ltd., 2-2-10 Murotani, Nishi-ku, Kobe 651-2241, Japan.

Journal of biological chemistry (UNITED STATES) Aug 14 1998, 273 (33) p21105-10, ISSN 0021-9258 Journal Code: 2985121R
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

... PSD-95/SAP90 belongs to a family of membrane-associated guanylate kinases and binds N-methyl-D-aspartate receptors, potassium channels, and neuroligins through the *PDZ* *domains* and GKAP/SAPAP/DAP through the guanylate kinase (GK) domain. We performed here a yeast two-hybrid *screening* for SAPAP-interacting molecules and identified a novel protein that has an inverse structure of membrane-associated guanylate kinases with an NH2-terminal GK-like domain followed by two WW and five *PDZ* *domains*. It binds SAPAP through the GK-like domain and NMDA receptors and neuroligins through the *PDZ* *domains*. We named this protein S-SCAM (synaptic scaffolding molecule) because S-SCAM may assemble receptors and cell adhesion proteins at synaptic junctions.

11/3,K/9 (Item 9 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

09776129 98198478 PMID: 9531559

ZO-3, a novel member of the MAGUK protein family found at the tight junction, interacts with ZO-1 and occludin.

Haskins J; Gu L; Wittchen E S; Hibbard J; Stevenson B R
Department of Cell Biology and Anatomy, University of Alberta, Edmonton,

Alberta T6G 2H7, Canada.

Journal of cell biology (UNITED STATES) Apr 6 1998, 141 (1) p199-208
, ISSN 0021-9525 Journal Code: 0375356
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

... Darby canine kidney (MDCK) cells and subjected to partial endopeptidase digestion and amino acid sequencing. A resulting 19-amino acid sequence provided the basis for *screening* canine cDNA libraries. Five overlapping clones contained a single open reading frame of 2,694 bp coding for a protein of 898 amino acids with a predicted molecular mass of 98,414 daltons. Sequence analysis showed that this protein contains three PSD-95/SAP90, discs-large, ZO-1 (*PDZ*) *domains*, a src homology (SH3) domain, and a region similar to guanylate kinase, making it homologous to ZO-1, ZO-2, the discs large tumor suppressor...

...proteins. Like ZO-1 and ZO-2, the novel protein contains a COOH-terminal acidic domain and a basic region between the first and second *PDZ* *domains*. Unlike ZO-1 and ZO-2, this protein displays a proline-rich region between PDZ2 and PDZ3 and apparently contains no alternatively spliced domain. MDCK...

11/3,K/10 (Item 10 from file: 155)
DIALOG(R) File 155:MEDLINE(R)

09442263 97338076 PMID: 9192623

Binding of human virus oncoproteins to hDlg/SAP97, a mammalian homolog of the Drosophila discs large tumor suppressor protein.

Lee S S; Weiss R S; Javier R T
Division of Molecular Virology, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030, USA.

Proceedings of the National Academy of Sciences of the United States of America (UNITED STATES) Jun 24 1997, 94 (13) p6670-5, ISSN 0027-8424
Journal Code: 7505876

Contract/Grant No.: CA58541; CA; NCI
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

The 9ORF1 gene encodes an adenovirus E4 region oncoprotein that requires a C-terminal region for transforming activity. *Screening* a lambda gt11 cDNA expression library with a 9ORF1 protein probe yielded a novel cellular PDZ domain-containing protein, 9BP-1, which binds to wild-type, but not a transformation-defective, C-terminal, mutant 9ORF1 protein. The fact that *PDZ* *domains* complex with specific sequences at the free C-terminal end of some proteins led to the recognition that the 9ORF1 C-terminal region contained such a consensus-binding motif. This discovery prompted investigations into whether the 9ORF1 protein associates with additional cellular proteins having *PDZ* *domains*. It was found that the 9ORF1 protein interacts directly, in vitro and in vivo, with the PDZ domain-containing protein hDlg/SAP97 (DLG), which is...

11/3,K/11 (Item 1 from file: 5)
DIALOG(R) File 5:BIOSIS Previews(R)
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13586050 BIOSIS NO.: 200200214871

Densin-180 interacts with delta-catenin/neural plakophilin-related armadillo repeat protein at synapses.

AUTHOR: Izawa Ichiro; Nishizawa Miwako; Ohtakara Kazuhiro; Inagaki Masaki
(a)

AUTHOR ADDRESS: (a) Division of Biochemistry, Aichi Cancer Center Research
Institute, 1-1 Kanokoden, Chikusa-ku, Nagoya, Aichi, 464-8681**Japan
E-Mail: minagaki@aichi-cc.jp
JOURNAL: Journal of Biological Chemistry 277 (7):p5345-5350 February 15,
2002
MEDIUM: print
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

...ABSTRACT: forebrain, is the founding member of a newly described family
of proteins termed the LAP (leucine-rich repeats and PSD-95/Dlg-A/ZO-1 (
PDZ) *domains*) family that plays essential roles in establishment of
cell polarity. To identify Densin-180-binding proteins, we screened a
yeast two-hybrid library using the...

...METHODS & EQUIPMENT: yeast two-hybrid library *screening*--...

...Molecular Biology Techniques and Chemical Characterization, *screening*
method

11/3,K/12 (Item 2 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2002 BIOSIS. All rts. reserv.

13489827 BIOSIS NO.: 200200118648

**Multi-PDZ domain protein 1 (MUPP1) is concentrated at tight junctions
through its possible interaction with claudin-1 and junctional adhesion
molecule.**

AUTHOR: Hamazaki Yoko; Itoh Masahiko; Sasaki Hiroyuki; Furuse Mikio;
Tsukita Shoichiro(a)

AUTHOR ADDRESS: (a)Department of Cell Biology, Faculty of Medicine, Kyoto
University, Sakyo-ku, Kyoto, 606-8501**Japan E-Mail:
htsukita@four.med.kyoto-u.ac.jp

JOURNAL: Journal of Biological Chemistry 277 (1):p455-461 January 4, 2002
MEDIUM: print
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

...ABSTRACT: constitute tight junction (TJ) strands, suggesting that TJ
strands strongly attract PDZ-containing proteins. Indeed, ZO-1, -2, and
-3, each of which contains three *PDZ* *domains*, were shown to directly
bind to claudins. Using the yeast two-hybrid system, we identified ZO-1
and MUPP1 (multi-PDZ domain protein 1) as binding partners for the COOH
terminus of claudin-1. MUPP1 has been identified as a protein that
contains 13 *PDZ* *domains*, but it has not been well characterized. In
vitro binding assays with recombinant MUPP1 confirmed the interaction
between MUPP1 and claudin-1 and identified PDZ10...

...METHODS & EQUIPMENT: yeast two-hybrid *screening*--...

...Molecular Biology Techniques and Chemical Characterization, *screening*
method

11/3,K/13 (Item 3 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2002 BIOSIS. All rts. reserv.

13290613 BIOSIS NO.: 200100497762

**Interaction of the carboxyterminus of a C. elegans 5-HT2-like receptor with
PDZ domain 8 of C52A11.4.**

AUTHOR: Xiao H(a); Huang X(a); Smith K(a); Plenefisch J(a); Huang X P(a);
Komuniecki R W(a)

AUTHOR ADDRESS: (a) Biology, University of Toledo, Toledo, *USA
JOURNAL: Society for Neuroscience Abstracts 27 (1):p693 2001
MEDIUM: print
CONFERENCE/MEETING: 31st Annual Meeting of the Society for Neuroscience
San Diego, California, USA November 10-15, 2001
ISSN: 0190-5295
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

...ABSTRACT: specific sub-cellular localization of the individual isoforms.
Therefore, using the C-terminus of the C. elegans receptor as a bait in
yeast-two hybrid *screening*, we have identified a C. elegans protein
(C52A11.4) which contains 10 *PDZ* *domains* and exhibits significant
identify to a multiple PDZ domain containing binding partner identified
for the human receptor (FEBS Letters, 1998, 424:63-68). Analysis of the
individual *PDZ* *domains* suggests that only PDZ domain 8 binds to this
TFL motif. Preliminary analysis using a GFP fusion construct with the
putative C52A11.4 promoter suggests...

DESCRIPTORS:

CHEMICALS & BIOCHEMICALS: ...*PDZ* *domains*, detection, expression,
localization

11/3,K/14 (Item 4 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
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13260246 BIOSIS NO.: 200100467395

Schwannomin isoform-1 interacts with syntenin via *PDZ* *domains*.

AUTHOR: Jannatipour Mehrdad; Dion Patrick; Khan Saad; Jindal Hitesh; Fan
Xueping; Laganriere Janet; Chishti Athar H; Rouleau Guy A(a)
AUTHOR ADDRESS: (a)Center for Research in Neuroscience, McGill University
and Montreal General Hospital, 1650 Cedar Avenue, Montreal, PQ, H3G 1A4:
mi32@musica.mcgill.ca**Canada

JOURNAL: Journal of Biological Chemistry 276 (35):p33093-33100 August 31,
2001

MEDIUM: print
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

Schwannomin isoform-1 interacts with syntenin via *PDZ* *domains*.

...ABSTRACT: couples transmembrane proteoglycans to cytoskeletal components
and is involved in intracellular vesicle transport. The C terminus 25
amino acids of sch-1 and the two *PDZ* *domains* of syntenin mediate
their binding, and mutations introduced within the VAFFEEL region of
sch-1 defined a sequence crucial for syntenin recognition. We have showed
...

DESCRIPTORS:

CHEMICALS & BIOCHEMICALS: ...*PDZ* *domains*, adapter protein
METHODS & EQUIPMENT: yeast two-hybrid *screening*--

11/3,K/15 (Item 5 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
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13024527 BIOSIS NO.: 200100231676

**The neuronal adaptor protein X11alpha interacts with the copper chaperone
for SOD1 and regulates SOD1 activity.**

AUTHOR: McLoughlin Declan M; Standen Claire L; Lau Kwok-Fai; Ackerley
Steven; Bartnikas Thomas P; Gitlin Jonathan D; Miller Christopher C J(a)

AUTHOR ADDRESS: (a)Dept. Neuroscience, Institute of Psychiatry, De
Crespigny Park, Denmark Hill, London, SE5 8AF: chris.miller@iop.kcl.ac.uk
**UK

JOURNAL: Journal of Biological Chemistry 276 (12):p9303-9307 March 23,
2001

MEDIUM: print

ISSN: 0021-9258

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

...ABSTRACT: participates in the formation of multiprotein complexes and
intracellular trafficking. It contains a series of discrete
protein-protein interaction domains including two contiguous C-terminal
PDZ *domains*. We used the yeast two-hybrid system to screen for
proteins that interact with the *PDZ* *domains* of human Xllalpha, and we
isolated a clone encoding domains II and III of the copper chaperone for
Cu,Zn-superoxide dismutase-1 (CCS). The...
...METHODS & EQUIPMENT: *screening* method

11/3,K/16 (Item 6 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2002 BIOSIS. All rts. reserv.

12913782 BIOSIS NO.: 200100120931

Clustering of stargazin by PSD-95.

AUTHOR: Chetkovich D M(a); Chen L; Bunn R C; Sweeney N T; Aguilera-Moreno A
; Nicoll R A; Brecht D S

AUTHOR ADDRESS: (a)UCSF, San Francisco, CA**USA

JOURNAL: Society for Neuroscience Abstracts 26 (1-2):pAbstract No-7175
2000

MEDIUM: print

CONFERENCE/MEETING: 30th Annual Meeting of the Society of Neuroscience New
Orleans, LA, USA November 04-09, 2000

SPONSOR: Society for Neuroscience

ISSN: 0190-5295

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

...ABSTRACT: is a 36-kD protein subunit of the voltage gated calcium
channel. The C-terminus of stargazin consists of the PDZ binding
consensus sequence, -TPV*. *Screening* a rat brain yeast 2-hybrid library
with the C-terminal 120 amino acids of stargazin identified 18 positive
clones, encoding the *PDZ* *domains* of PSD-95/93 and SAP97/102. When
cotransfected with PSD-95 and PSD-93, robust surface clustering of
stargazin was noted. Additionally, stargazin co...

11/3,K/17 (Item 7 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2002 BIOSIS. All rts. reserv.

11440725 BIOSIS NO.: 199800222057

**The mammalian numb phosphotyrosine-binding domain. Characterization of
binding specificity and identification of a novel PDZ domain-containing
Numb binding protein, LNX.**

AUTHOR: Dho Sascha E; Jacob Sara; Wolting Cheryl D; French Michelle B;
Rohrschneider Larry R; McGlade C Jane(a)

AUTHOR ADDRESS: (a)Amgen Inst., 620 University Ave., Suite 706, Toronto, ON
M5G 2C1**Canada

JOURNAL: Journal of Biological Chemistry 273 (15):p9179-9187 April 10,
1998

ISSN: 0021-9258

DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

...ABSTRACT: with predicted molecular masses of 80 kDa (LNx) and 70 kDa (LNx-b). LNx and LNx-b contain unique amino-terminal sequences and share four *PDZ* *domains*. The unique amino-terminal region of LNx includes a RING finger domain. The Numb PTB domain binding region of LNx was mapped to the sequence...

...METHODS & EQUIPMENT: cDNA library *screening* {complementary DNA library *screening*}--...

...yeast two-hybrid *screening*--

11/3,K/18 (Item 8 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2002 BIOSIS. All rts. reserv.

10877446 BIOSIS NO.: 199799498591

Partner selection by *PDZ* *domains*.

AUTHOR: Kornau Hans-Christian(a); Seeburg Peter H
AUTHOR ADDRESS: (a)Dep. Mol. Neurobiol., Max-Planck Inst. Med. Res.,
Jahnstrasse 29, D-69120 Heidelberg**Germany
JOURNAL: Nature Biotechnology 15 (4):p319 1997
ISSN: 1087-0156
RECORD TYPE: Citation
LANGUAGE: English

Partner selection by *PDZ* *domains*.

MISCELLANEOUS TERMS: ...PEPTIDE LIBRARY *SCREENING*;

11/3,K/19 (Item 1 from file: 73)
DIALOG(R)File 73:EMBASE
(c) 2002 Elsevier Science B.V. All rts. reserv.

11302222 EMBASE No: 2001316415

Connexin45 directly binds to ZO-1 and localizes to the tight junction region in epithelial MDCK cells

Kausalya P.J.; Reichert M.; Hunziker W.
W. Hunziker, Inst. of Molecular and Cell Biology, Epithelial Cell Biology Laboratory, 30 Medical Drive, Singapore 117609 Singapore
AUTHOR EMAIL: hunziker@imcb.nus.edu.sg
FEBS Letters (FEBS LETT.) (Netherlands) 07 SEP 2001, 505/1 (92-96)
CODEN: FEBLA ISSN: 0014-5793
PUBLISHER ITEM IDENTIFIER: S0014579301027867
DOCUMENT TYPE: Journal ; Article
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH
NUMBER OF REFERENCES: 23

...molecule to the actin cytoskeleton. The interaction between ZO-1 and claudin or junctional adhesion molecule occurs via the amino-terminal PSD95/Dlg/ZO-1 (*PDZ*) *domains* in ZO-1. A yeast two-hybrid screen to search for proteins that interact with the *PDZ* *domains* of ZO-1 identified connexin (Cx) 45. Cx45 interacts with the *PDZ* *domains* of ZO-1 and ZO-3, but not ZO-2, via a short C-terminal PDZ binding motif (SVWI). In transfected epithelial Madin-Darby canine...

MEDICAL DESCRIPTORS:

...domain; protein binding; protein motif; cell strain; epithelium cell; kidney cell; protein localization; tight junction; precipitation; gap junction; signal transduction; cell communication; two hybrid system; *screening*; dog; genetic transfection; carboxy terminal sequence; human; nonhuman; controlled study; animal cell; article; priority journal

11/3,K/20 (Item 2 from file: 73)
DIALOG(R)File 73:EMBASE
(c) 2002 Elsevier Science B.V. All rts. reserv.

07586454 EMBASE No: 1999056427

Mutagenesis and selection of *PDZ* *domains* that bind new protein targets

Schneider S.; Buchert M.; Georgiev O.; Catimel B.; Halford M.; Stacker S.A.; Baechi T.; Moelling K.; Hovens C.M.

K. Moelling, Institut fur Medizinische Virologie, Elektronenmikrosk. Zentrallabor, Universitat Zurich, Gloriastr. 30/32, CH-8028 Zurich Switzerland

AUTHOR EMAIL: moelling@immv.unizh.ch

Nature Biotechnology (NAT. BIOTECHNOL.) (United States) 1999, 17/2 (170-175)

CODEN: NABIF ISSN: 1087-0156

DOCUMENT TYPE: Journal; Article

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 36

Mutagenesis and selection of *PDZ* *domains* that bind new protein targets

PDZ *domains* are a recently characterized protein-recognition module. In most cases, *PDZ* *domains* bind to the C-terminal end of target proteins and are thought thereby to link these target proteins into functional signaling networks. We report the isolation of artificial *PDZ* *domains* selected via a mutagenesis screen in vivo, each recognizing a different C-terminal peptide. We demonstrate that the *PDZ* *domains* isolated can bind selectively to their target peptides in vitro and in vivo. Two of the target peptides chosen are the C-terminal ends of two cellular transmembrane proteins with which no known *PDZ* *domains* have been reported to interact. By targeting these artificial *PDZ* *domains* to the nucleus, interacting target peptides were efficiently transported to the same subcellular localization. One of the isolated *PDZ* *domains* was tested and shown to be efficiently directed to the plasma membrane when cotransfected with the full-length transmembrane protein in mammalian cells. Thus, artificial *PDZ* *domains* can be engineered and used to target intracellular proteins to different subcellular compartments.

MEDICAL DESCRIPTORS:

protein modification; *screening*; protein protein interaction; cellular distribution; human; human cell; article; priority journal

11/3,K/21 (Item 3 from file: 73)
DIALOG(R)File 73:EMBASE
(c) 2002 Elsevier Science B.V. All rts. reserv.

06916132 EMBASE No: 1997200577

Binding of human virus oncoproteins to hD1g/SAP97, a mammalian homolog of the Drosophila discs large tumor suppressor protein

Lee S.S.; Weiss R.S.; Javier R.T.

R.T. Javier, Division of Molecular Virology, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030 United States

AUTHOR EMAIL: rjavier@bcm.tmc.edu

Proceedings of the National Academy of Sciences of the United States of America (PROC. NATL. ACAD. SCI. U. S. A.) (United States) 1997, 94/13 (6670-6675)

CODEN: PNASA ISSN: 0027-8424

DOCUMENT TYPE: Journal; Article

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 34

The 9ORF1 gene encodes an adenovirus E4 region oncoprotein that requires a C-terminal region for transforming activity. *Screening* a lambda gt11 cDNA expression library with a 9ORF1 protein probe yielded a novel cellular

09/462517

File 5:Biosis Previews(R) 1969-2003/May W4
(c) 2003 BIOSIS

*File 5: Alert feature enhanced for multiple files, duplicates removal, customized scheduling. See HELP ALERT.

Set	Items	Description
S1	794	PDZ()DOMAIN
S2	69058	SIGNAL()TRANSDUCTION
S3	101	S1 AND S2
S4	38	KINASE AND S3
S5	10	PHOSPHATASE AND S3
S6	4	(G()PROTEIN()COUPLED()RECEPTOR)AND S3
S7	1	(TYROSINE()KINASE()RECEPTOR) AND S3
S8	0	(TYROSINE()PHOSPHATASE()RECEPTOR) AND S3
S9	4	(ION()CHANNEL) AND S3
S10	15	(G()PROTEIN) AND S3
S11	9	PHOSPHOLIPASE AND S3
S12	0	(CALCIUM()BINDING()PROTEIN) AND S3
S13	0	(TYROSINE()PHOSPHATASE()RECEPTOR) AND S1
S14	0	(CALCIUM()BINDING()PROTEIN) AND S1
S15	35	AU='ZUKER CHARLES' OR AU='ZUKER CHARLES S'
S16	1	S1 AND S15
S17	5	AU='MENDLEIN JOHN' OR AU='MENDLEIN JOHN D'
S18	0	S1 AND S17
S19	8	AU='TSUNODA SUSAN'
S20	1	S1 AND S19
S21	6	AU='SUN YUMEI'
S22	1	S1 AND S21
S23	4	TRANSDUCISOME

? t s4/3/1-38

4/3/1

DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

14136638 BIOSIS NO.: 200300130667

NHERF-1 uniquely transduces the cAMP signals that inhibit sodium-hydrogen exchange in mouse renal apical membranes.

AUTHOR: Weinman Edward J(a); Steplock Deborah; Shenolikar Shirish

AUTHOR ADDRESS: (a)Department of Medicine, Division Nephrology, University of Maryland School of Medicine, 22 South Greene Street, Room N3W143, UHM, Baltimore, MD, 21201, USA**USA E-Mail: eweinman@medicine.umaryland.edu

JOURNAL: FEBS Letters 536 (1-3):p141-144 11 February 2003 2003

MEDIUM: print

ISSN: 0014-5793

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

4/3/2

DIALOG(R)File 5:Biosis Previews(R)
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14074076 BIOSIS NO.: 200300068105

Protein ***kinase*** C (PKC) isoforms in Drosophila.

AUTHOR: Shieh Bih-Hwa(a); Parker Lisan; Popescu Daniela

AUTHOR ADDRESS: (a)Department of Pharmacology and Center for Molecular Neuroscience, Vanderbilt University, 402 Robinson Research Building, Nashville, TN, 37232, USA**USA E-Mail: bih-hwa.shieh@vanderbilt.edu

JOURNAL: Journal of Biochemistry (Tokyo) 132 (4):p523-527 Oct. 2002 2002

MEDIUM: print

ISSN: 0021-924X

DOCUMENT TYPE: Literature Review

RECORD TYPE: Abstract

LANGUAGE: English

4/3/3
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

14012156 BIOSIS NO.: 200300006185
The Na⁺/H⁺ exchanger regulatory factor 2 mediates phosphorylation of serum-
and glucocorticoid-induced protein **kinase** 1 by
3-phosphoinositide-dependent protein **kinase** 1.
AUTHOR: Chun Jaesun; Kwon Taegun; Lee Eunjung; Suh Pann-Ghill; Choi Eui-Ju;
Kang Sang Sun(a)
AUTHOR ADDRESS: (a)School of Science Education, Chungbuk National
University, Gaeshin-dong, Heungdok-gu, Chongju, 361-763, South Korea**
South Korea E-Mail: jin95324@cbucc.chungbuk.ac.kr
JOURNAL: Biochemical and Biophysical Research Communications 298 (2):p
207-215 October 25 2002 2002
MEDIUM: print
ISSN: 0006-291X
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

4/3/4
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

14006239 BIOSIS NO.: 200300000268
Cytoplasmic interactions of syndecan-4 orchestrate adhesion receptor and
growth factor receptor signalling.
AUTHOR: Bass Mark D; Humphries Martin J(a)
AUTHOR ADDRESS: (a)Wellcome Trust Centre for Cell-Matrix Research, School
of Biological Sciences, University of Manchester, Manchester, M13 9PT, UK
**UK E-Mail: martin.humphries@man.ac.uk
JOURNAL: Biochemical Journal 368 (1):p1-15 15 November 2002 2002
MEDIUM: print
ISSN: 0264-6021
DOCUMENT TYPE: Literature Review
RECORD TYPE: Abstract
LANGUAGE: English

4/3/5
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

13970815 BIOSIS NO.: 200200599636
The down regulated in adenoma (dra) gene product binds to the second
PDZ **domain** of the NHE3 **kinase** A regulatory protein
(E3KARP), potentially linking intestinal Cl⁻/HCO₃⁻ exchange to Na⁺/H⁺
exchange.
AUTHOR: Lamprecht Georg(a); Heil Andreas; Baisch Susannah; Lin-Wu Elena;
Yun C Chris; Kalbacher Hubert; Gregor Michael; Seidler Ursula
AUTHOR ADDRESS: (a)1st Medical Department, University of Tuebingen, 72076,
Tuebingen**Germany E-Mail: hans-georg.lamprecht@uni-tuebingen.de
JOURNAL: Biochemistry 41 (41):p12336-12342 October 15, 2002
MEDIUM: print
ISSN: 0006-2960
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

4/3/6
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

13824201 BIOSIS NO.: 200200453022
Protocadherin LKc, a new candidate for a tumor suppressor of colon and
liver cancers, its association with contact inhibition of cell
proliferation.
AUTHOR: Okazaki Noriko; Takahashi Naomi; Kojima Shin-ichi; Masuho Yasuhiko;

Koga Hisashi(a)
AUTHOR ADDRESS: (a)Kazusa DNA Research Institute, 1532-3 Yana,
Kisarazu-city, Chiba, 292-0812**Japan E-Mail: hkoga@kazusa.or.jp
JOURNAL: Carcinogenesis (Oxford) 23 (7):p1139-1148 July, 2002
MEDIUM: print
ISSN: 0143-3334
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

4/3/7
DIALOG(R)File 5:Biosis Previews(R)
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13637772 BIOSIS NO.: 200200266593
GIPC participates in G protein signaling downstream of insulin-like growth
factor 1 receptor.
AUTHOR: Booth Ronald A; Cummings Cathy; Tiberi Mario; Liu X John(a)
AUTHOR ADDRESS: (a)Ottawa Health Research Institute, Ottawa Hospital,
Ottawa, ON, K1Y 4E9**Canada E-Mail: jliu@ohri.ca
JOURNAL: Journal of Biological Chemistry 277 (8):p6719-6725 February 22,
2002
MEDIUM: print
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

4/3/8
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

13551843 BIOSIS NO.: 200200180664
Essential role for NHERF in cAMP-mediated inhibition of the Na⁺-HCO₃⁻
co-transporter in BSC-1 cells.
AUTHOR: Weinman Edward J(a); Evangelista Christine M; Steplock Deborah; Liu
Min-Zhi; Shenolikar Shirish; Bernardo Angelito
AUTHOR ADDRESS: (a)Dept. of Medicine, School of Medicine, University of
Maryland, 22 S. Greene St., Rm. N3W143, Baltimore, MD, 21201**USA E-Mail:
eweinman@medicine.umaryland.edu
JOURNAL: Journal of Biological Chemistry 276 (45):p42339-42346 November 9,
2001
MEDIUM: print
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

4/3/9
DIALOG(R)File 5:Biosis Previews(R)
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13540547 BIOSIS NO.: 200200169368
beta1-Adrenergic receptor association with the synaptic scaffolding protein
membrane-associated guanylate ***kinase*** inverted-2 (MAGI-2).
Differential regulation of receptor internalization by MAGI-2 and PSD-95.
AUTHOR: Xu Jianguo; Paquet Maryse; Lau Anthony G; Wood Jonathan D; Ross
Christopher A; Hall Randy A(a)
AUTHOR ADDRESS: (a)Dept. of Pharmacology, Emory University School of
Medicine, 1510 Clifton Rd., 5113 Rollins Research Center, Atlanta, GA,
30322**USA E-Mail: rhall@pharm.emory.edu
JOURNAL: Journal of Biological Chemistry 276 (44):p41310-41317 November 2,
2001
MEDIUM: print
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

4/3/10

DIALOG(R)File 5:Biosis Previews(R)
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13373965 BIOSIS NO.: 200200002786

Beta-1-adrenergic receptor association with the synaptic scaffolding protein MAGI-2.

AUTHOR: Paquet M(a); Xu J(a); Lau A G(a); Hall R A(a)

AUTHOR ADDRESS: (a)Pharmacology, Emory University School of Medicine,
Atlanta, GA**USA

JOURNAL: Society for Neuroscience Abstracts 27 (2):p2142 2001

MEDIUM: print

CONFERENCE/MEETING: 31st Annual Meeting of the Society for Neuroscience
San Diego, California, USA November 10-15, 2001

ISSN: 0190-5295

RECORD TYPE: Abstract

LANGUAGE: English

4/3/11

DIALOG(R)File 5:Biosis Previews(R)
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13340748 BIOSIS NO.: 200100547897

Neuroigin 1 interacts with a neuronal member of the band 4.1 family.

AUTHOR: Neeb A(a); Dresbach T; Varoqueaux F(a); Ohara O; Gundelfinger E D;
Brose N(a)

AUTHOR ADDRESS: (a)Molecular Neurobiology, Max-Planck-Institute for
Experimental Medicine, Goettingen**Germany

JOURNAL: Society for Neuroscience Abstracts 27 (2):p1547 2001

MEDIUM: print

CONFERENCE/MEETING: 31st Annual Meeting of the Society for Neuroscience
San Diego, California, USA November 10-15, 2001

ISSN: 0190-5295

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

4/3/12

DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

13306876 BIOSIS NO.: 200100514025

Expanding the role of NHERF, a ***PDZ***-***domain*** containing protein
adapter, to growth regulation.

AUTHOR: Voltz James W; Weinman Edward J; Shenolikar Shirish(a)

AUTHOR ADDRESS: (a)Department of Pharmacology and Cancer Biology, Duke
University Medical Center, Durham, NC, 27710: sheno001@mc.duke.edu**USA

JOURNAL: Oncogene 20 (44):p6309-6314 1 October, 2001

MEDIUM: print

ISSN: 0950-9232

DOCUMENT TYPE: Literature Review

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

4/3/13

DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

13232521 BIOSIS NO.: 200100439670

Inhibition of neurite extension by overexpression of individual domains of
LIM ***kinase*** 1.

AUTHOR: Birkenfeld Joerg; Betz Heinrich; Roth Dagmar(a)

AUTHOR ADDRESS: (a)Department of Neurochemistry, Max-Planck-Institute for
Brain Research, Deutschordenstr. 46, 60528, Frankfurt:
neurochemie@mpih-frankfurt.mpg.de**Germany

JOURNAL: Journal of Neurochemistry 78 (4):p924-927 August, 2001
MEDIUM: print
ISSN: 0022-3042
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

4/3/14
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

13183816 BIOSIS NO.: 200100390965
The CASK/Lin-2 Drosophila homologue, Camguk, could play a role in
epithelial patterning and in neuronal targeting.
AUTHOR: Lopes Carmela; Gassanova Svetlana; Delabar Jean-Maurice; Rachidi
Mohammed(a)
AUTHOR ADDRESS: (a)Faculte de Medecine Necker, UMR 8602 CNRS, 156 Rue de
Vaugirard, 75015, Paris: mrachidi@pasteur.fr**France
JOURNAL: Biochemical and Biophysical Research Communications 284 (4):p
1004-1010 June 22, 2001
MEDIUM: print
ISSN: 0006-291X
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

4/3/15
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

13177570 BIOSIS NO.: 200100384719
Targeting mutants of PTEN reveal distinct subsets of tumour suppressor
functions.
AUTHOR: Leslie Nick R(a); Bennett Deborah; Gray Alex; Pass Ian; Hoang-Xuan
Khe; Downes C Peter
AUTHOR ADDRESS: (a)Division of Signal Transduction Therapy, Department of
Biochemistry, University of Dundee, Dundee, DD1 5EH:
n.r.leslie@dundee.ac.uk**UK
JOURNAL: Biochemical Journal 357 (2):p427-435 15 July, 2001
MEDIUM: print
ISSN: 0264-6021
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

4/3/16
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

13059232 BIOSIS NO.: 200100266381
CARD11 and CARD14 are novel caspase recruitment domain
(CARD)/membrane-associated guanylate ***kinase*** (MAGUK) family members
that interact with BCL10 and activate NF-kappaB.
AUTHOR: Bertin John; Wang Lin; Guo Yin; Jacobson Michael D; Poyet Jean-Luc;
Srinivasula Srinivasa M; Merriam Sarah; DiStefano Peter S; Alnemri Emad S
(a)
AUTHOR ADDRESS: (a)Kimmel Cancer Inst., Thomas Jefferson Univ., 233 S. 10th
St., Bluebel Life Sciences Bldg., Rm. 904, Philadelphia, PA, 19107:
bertin@mpi.com, Alnemri@lac.jci.tju.edu**USA
JOURNAL: Journal of Biological Chemistry 276 (15):p11877-11882 April 13,
2001
MEDIUM: print
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract

LANGUAGE: English
SUMMARY LANGUAGE: English

4/3/17
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

12991022 BIOSIS NO.: 200100198171
Mitogen-stimulated TIS21 protein interacts with a protein-~~kinase~~
-Calpha-binding protein rPICK1.
AUTHOR: Lin Wey-Jinq(a); Chang Yaun-Fu; Wang Wei-Li; Huang Chi-Ying F
AUTHOR ADDRESS: (a)Institute of Biopharmaceutical Science, National
Yang-Ming University, Taipei, 112: wjlin@ym.edu.tw**Taiwan
JOURNAL: Biochemical Journal 354 (3):p635-643 15 March, 2001
MEDIUM: print
ISSN: 0264-6021
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

4/3/18
DIALOG(R)File 5:Biosis Previews(R)
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12873666 BIOSIS NO.: 200100080815
Interaction of diacylglycerol ~~kinase~~-zeta with the ~~PDZ~~
~~domain~~ of gammal-syntrophin.
AUTHOR: Hogan A B(a); Chabot J; Gee S H
AUTHOR ADDRESS: (a)University of Ottawa, Ottawa, ON**Canada
JOURNAL: Society for Neuroscience Abstracts 26 (1-2):pAbstract No-2318
2000
MEDIUM: print
CONFERENCE/MEETING: 30th Annual Meeting of the Society of Neuroscience New
Orleans, LA, USA November 04-09, 2000
SPONSOR: Society for Neuroscience
ISSN: 0190-5295
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

4/3/19
DIALOG(R)File 5:Biosis Previews(R)
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12622269 BIOSIS NO.: 200000375771
Interaction of the tumor suppressor PTEN/MMAC with a ~~PDZ~~ ~~domain~~
of MAGI3, a novel membrane-associated guanylate ~~kinase~~.
AUTHOR: Wu Yan; Dowbenko Donald; Spencer Susan; Laura Richard; Lee James;
Gu Qimin; Lasky Laurence A(a)
AUTHOR ADDRESS: (a)Dept. of Molecular Oncology, Genentech, Inc., 460 Pt.
San Bruno Blvd., South San Francisco, CA, 94080**USA
JOURNAL: Journal of Biological Chemistry 275 (28):p21477-21485 July 14,
2000
MEDIUM: print
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

4/3/20
DIALOG(R)File 5:Biosis Previews(R)
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12474152 BIOSIS NO.: 200000227654

Biochemical and functional interactions between the PTEN tumor suppressor and a membrane-localized multi-**PDZ** **domain** containing scaffold protein MAGI-2.

AUTHOR: Hepner Karin(a); Wu Xinyi; Castelino-Prabhu Shobha; Wood Jonathan; Ross Christopher; Whang Young; Sawyers Charles L

AUTHOR ADDRESS: (a)Johns Hopkins Univ Sch of Medicine, Baltimore, MD**USA

JOURNAL: Proceedings of the American Association for Cancer Research Annual Meeting (41):p227 March, 2000

CONFERENCE/MEETING: 91st Annual Meeting of the American Association for Cancer Research. San Francisco, California, USA April 01-05, 2000

ISSN: 0197-016X

RECORD TYPE: Citation

LANGUAGE: English

SUMMARY LANGUAGE: English

4/3/21

DIALOG(R)File 5:Biosis Previews(R)

(c) 2003 BIOSIS. All rts. reserv.

12327854 BIOSIS NO.: 200000081356

The organization of INAD-signaling complexes by a multivalent **PDZ** **domain** protein in Drosophila photoreceptor cells ensures sensitivity and speed of signaling.

AUTHOR: Tsunoda S(a); Zuker C S(a)

AUTHOR ADDRESS: (a)Howard Hughes Medical Institute and Departments of Biology and Neurosciences, University of California, San Diego, La Jolla, Ca**USA

JOURNAL: Cell Calcium 26 (5):p165-171 Nov. , 1999

ISSN: 0143-4160

DOCUMENT TYPE: Literature Review

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

4/3/22

DIALOG(R)File 5:Biosis Previews(R)

(c) 2003 BIOSIS. All rts. reserv.

12300851 BIOSIS NO.: 200000058718

Yes-associated protein 65 localizes p62c-Yes to the apical compartment of airway epithelia by association with EBP50.

AUTHOR: Mohler Peter J; Kreda Silvia M; Boucher Richard C; Sudol Marius; Stutts M Jackson; Milgram Sharon L(a)

AUTHOR ADDRESS: (a)Cell and Molecular Physiology, University of North Carolina at Chapel Hill, Chapel Hill, NC**USA

JOURNAL: Journal of Cell Biology 147 (4):p879-890 Nov. 15, 1999

ISSN: 0021-9525

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

4/3/23

DIALOG(R)File 5:Biosis Previews(R)

(c) 2003 BIOSIS. All rts. reserv.

12202185 BIOSIS NO.: 199900497034

A **kinase**-regulated **PDZ**-**domain** interaction controls endocytic sorting of the beta2-adrenergic receptor.

AUTHOR: Cao Tracy T; Deacon Heather W; Reczek David; Bretscher Anthony; von Zastrow Mark(a)

AUTHOR ADDRESS: (a)Program in Cell Biology, Cellular and Molecular Pharmacology and Psychiatry, University of California, San Francisco, San Francisco, CA, 94143**USA

JOURNAL: Nature (London) 401 (6750):p286-290 Sept. 16, 1999

ISSN: 0028-0836

DOCUMENT TYPE: Letter; Article

RECORD TYPE: Abstract

LANGUAGE: English
SUMMARY LANGUAGE: English

4/3/24
DIALOG(R)File 5:Biosis Previews(R)
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12136600 BIOSIS NO.: 199900431449
G protein-coupled receptor ***kinase*** 6A phosphorylates the Na⁺/H⁺ exchanger regulatory factor via a ***PDZ*** ***domain***-mediated interaction.
AUTHOR: Hall Randy A; Spurney Robert F; Premont Richard T; Rahman Nadeem; Blitzer Jeremy T; Pitcher Julie A; Lefkowitz Robert J(a)
AUTHOR ADDRESS: (a)Howard Hughes Medical Institute, Duke University Medical Center, Durham, NC, 27710**USA
JOURNAL: Journal of Biological Chemistry 274 (34):p24328-24334 Aug. 20, 1999
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

4/3/25
DIALOG(R)File 5:Biosis Previews(R)
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12034200 BIOSIS NO.: 199900314719
Estrogen receptor regulation of the Na⁺/H⁺ exchanger regulatory factor.
AUTHOR: Ediger Tracy R; Kraus W Lee; Weinman Edward J; Katzenellenbogen Benita S(a)
AUTHOR ADDRESS: (a)Department of Molecular and Integrative Physiology, University of Illinois, 407 South Goodwin Av**USA
JOURNAL: Endocrinology 140 (7):p2976-2982 July, 1999
ISSN: 0013-7227
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

4/3/26
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

11973521 BIOSIS NO.: 199900226834
Recognition and regulation of primary-sequence motifs by signaling modular domains.
AUTHOR: Songyang Zhou(a)
AUTHOR ADDRESS: (a)Dep. Biochem., Baylor Coll. Med., One Baylor Plaza, Houston, TX 77030**USA
JOURNAL: Progress in Biophysics & Molecular Biology 71 (3-4):p359-372 April, 1999
ISSN: 0079-6107
DOCUMENT TYPE: Literature Review
RECORD TYPE: Citation
LANGUAGE: English

4/3/27
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

11957520 BIOSIS NO.: 199900203629
Organization of kinases, phosphatases, and receptor signaling complexes.
AUTHOR: Schillace Robynn V; Scott John D(a)
AUTHOR ADDRESS: (a)Howard Hughes Medical Institute L-474, Vollum Institute, Oregon Health Sciences University, 3181**USA
JOURNAL: Journal of Clinical Investigation 103 (6):p761-766 March, 1999

ISSN: 0021-9738
DOCUMENT TYPE: Article
RECORD TYPE: Citation
LANGUAGE: English

4/3/28
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

11926987 BIOSIS NO.: 199900173096
Modelling of a voltage-dependent Ca²⁺ channel beta subunit as a basis for understanding its functional properties.
AUTHOR: Hanlon M R; Berrow N S; Dolphin A C; Wallace B A(a)
AUTHOR ADDRESS: (a)Department of Crystallography, Birkbeck College, University of London, London, WC1E 7HX**UK
JOURNAL: FEBS Letters 445 (2-3):p366-370 Feb. 26, 1999
ISSN: 0014-5793
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

4/3/29
DIALOG(R)File 5:Biosis Previews(R)
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11907067 BIOSIS NO.: 199900153176
A novel ***PDZ*** domain containing guanine nucleotide exchange factor links heterotrimeric G protein to Rho.
AUTHOR: Fukuhara Shigetomo; Murga Cristina; Zohar Muriel; Igishi Tadashi; Gutkind J Silvio(a)
AUTHOR ADDRESS: (a)Oral Pharyngeal Cancer Branch, NIDCR, Natl. Inst. Health, 30 Convent Dr., Build. 30 Room 212, Be**USA
JOURNAL: Journal of Biological Chemistry 274 (9):p5868-5879 Feb. 26, 1999
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

4/3/30
DIALOG(R)File 5:Biosis Previews(R)
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11884522 BIOSIS NO.: 199900130631
Clustering of AMPA receptors by the synaptic ***PDZ*** domain-containing protein PICK1.
AUTHOR: Xia Jun; Zhang Xiaoqun; Staudinger Jeff; Huganir Richard L(a)
AUTHOR ADDRESS: (a)Dep. Neuroscience, Howard Hughes Med. Inst., Johns Hopkins Univ., Sch. Med., Baltimore, MD 21205**USA
JOURNAL: Neuron 22 (1):p179-187 Jan., 1999
ISSN: 0896-6273
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

4/3/31
DIALOG(R)File 5:Biosis Previews(R)
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11858891 BIOSIS NO.: 199900105000
Citron binds to PSD-95 at glutamatergic synapses on inhibitory neurons in the hippocampus.
AUTHOR: Zhang Wandong; Vazquez Luis; Apperson Michelle; Kennedy Mary B(a)
AUTHOR ADDRESS: (a)Div. Biol. 216-76, Calif. Inst. Technol., Pasadena, CA 91125**USA
JOURNAL: Journal of Neuroscience 19 (1):p96-108 Jan. 1, 1999
ISSN: 0270-6474
DOCUMENT TYPE: Article

RECORD TYPE: Abstract
LANGUAGE: English

4/3/32
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

11714110 BIOSIS NO.: 199800495841
An avian cDNA encoding a tyrosine-phosphorylated protein with PDZ,
coiled-coil, and SAM domains.
AUTHOR: Suh Kwang Sun; Ting Yuan-Tsang; Burr John G
AUTHOR ADDRESS: Univ. Texas Dallas, Dep. Molecular Cell Biol., Richardson,
TX 75080**USA
JOURNAL: Gene (Amsterdam) 219 (1-2):p111-123 Sept. 28, 1998
ISSN: 0378-1119
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

4/3/33
DIALOG(R)File 5:Biosis Previews(R)
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11691879 BIOSIS NO.: 199800473610
PDZ-***domain***-mediated interaction of the Eph-related receptor
tyrosine ***kinase*** EphB3 and the ras-binding protein AF6 depends on
the ***kinase*** activity of the receptor.
AUTHOR: Hock Bjorn; Bohme Beatrix; Karn Thomas; Yamamoto Takaharu; Kaibuchi
Kozo; Holtrich Uwe; Holland Sacha; Pawson Tony; Ruebsamen-Waigmann Helga;
Strebhardt Klaus(a)
AUTHOR ADDRESS: (a)Chemotherapeutisches Forschungsinstitut,
Georg-Speyer-Haus, Paul-Ehrlich-Strasse 42-44, 60596 Fr**Germany
JOURNAL: Proceedings of the National Academy of Sciences of the United
States of America 95 (17):p9779-9784 Aug. 18, 1998
ISSN: 0027-8424
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

4/3/34
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

11606734 BIOSIS NO.: 199800388472
Human CASK/LIN-2 binds Syndecan-2 and protein 4.1 and localizes to the
basolateral membrane of epithelial cells.
AUTHOR: Cohen Alexandra R; Wood Daniel F; Marfatia Shirin M; Walther Zenta;
Chishti Athar H; Anderson James Melvin(a)
AUTHOR ADDRESS: (a)1080 LMP, Dep. Intern. Med., Yale Univ. Sch. Med., 333
Cedar St., 1080 LMP, P.O. Box 208019, New**USA
JOURNAL: Journal of Cell Biology 142 (1):p129-138 July 13, 1998
ISSN: 0021-9525
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

4/3/35
DIALOG(R)File 5:Biosis Previews(R)
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11602659 BIOSIS NO.: 199800384272
Protein ***kinase*** C function in ***signal*** ***transduction***
pathways: The eye-specific protein ***kinase*** C (ePKC) assembled with
the TRP calcium channel by the ***PDZ*** ***domain*** protein INAD
phosphorylation TRP.
AUTHOR: Huber Armin; Baehner Monika; Sander Philipp; Paulsen Reinhard
AUTHOR ADDRESS: Inst. Zool. I, Univ. Karlsruhe, 76128 Karlsruhe**Germany

JOURNAL: European Journal of Cell Biology 75 (SUPPL. 48):p59 1998
CONFERENCE/MEETING: 22nd Annual Meeting of the Deutsche Gesellschaft fuer
Zellbiologie (German Society for Cell Biology) Saarbruecken, Germany
March 15-19, 1998
SPONSOR: German Society for Cell Biology
ISSN: 0171-9335
RECORD TYPE: Citation
LANGUAGE: English

4/3/36
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

11582761 BIOSIS NO.: 199800363457
Interaction of eye protein ***kinase*** C and INAD in Drosophila:
Localization of binding domains and electrophysiological characterization
of a loss of association in transgenic flies.
AUTHOR: Adamski Frances Mary; Zhu Mei-Ying; Bahiraei Frohar; Shieh Bih-Hwa
(a)
AUTHOR ADDRESS: (a)Dep. Pharmacol., 402 Medical Research Build. I.,
Vanderbilt Univ., Nashville, TN 37232-6600**USA
JOURNAL: Journal of Biological Chemistry 273 (28):p17713-17719 July 10,
1998
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

4/3/37
DIALOG(R)File 5:Biosis Previews(R)
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11447880 BIOSIS NO.: 199800229212
Thr TRP Ca²⁺ channel assembled in a signaling complex by the ***PDZ***
domain protein INAD is phosphorylated through the interaction with
protein ***kinase*** C (ePKC).
AUTHOR: Huber Armin(a); Sander Philipp; Baehner Monika; Paulsen Reinhard
AUTHOR ADDRESS: (a)Zool. Inst. I, Univ. Karlsruhe, P.O. Box 6980, 786128
Karlsruhe**Germany
JOURNAL: FEBS Letters 425 (2):p317-322 March 27, 1998
ISSN: 0014-5793
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

4/3/38
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

11379724 BIOSIS NO.: 199800161056
Molecular cloning and characterization of rat lin-10.
AUTHOR: Ide Nobuyuki; Hirao Kazuyo; Hata Yutaka; Takeuchi Masakazu; Irie
Mina; Yao Ikuko; Deguchi Maki; Toyoda Atsushi; Nishioka Hideo; Mizoguchi
Akira; Takai Yoshimi(a)
AUTHOR ADDRESS: (a)Dep. Mol. Biol. and Biochem., Osaka Univ. Med. Sch., 2-2
Yamada-oka, Suite 565**Japan
JOURNAL: Biochemical and Biophysical Research Communications 243 (2):p
634-638 Feb. 13, 1998
ISSN: 0006-291X
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

? t s5/3/1-10

5/3/1
DIALOG(R)File 5:Biosis Previews(R)

(c) 2003 BIOSIS. All rts. reserv.

14027726 BIOSIS NO.: 200300021755
Evaluating function of transmembrane protein tyrosine ***phosphatase***
CD148 in lymphocyte biology.
AUTHOR: Harrod Thomas P; Justement Louis B(a)
AUTHOR ADDRESS: (a)University of Alabama at Birmingham, Birmingham, AL,
35294-3300, USA**USA E-Mail: louis.justement@ccc.uab.edu
JOURNAL: Immunologic Research 26 (1-3):p153-166 2002
MEDIUM: print
ISSN: 0257-277X
DOCUMENT TYPE: Literature Review
RECORD TYPE: Abstract
LANGUAGE: English

5/3/2
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

13177570 BIOSIS NO.: 200100384719
Targeting mutants of PTEN reveal distinct subsets of tumour suppressor
functions.
AUTHOR: Leslie Nick R(a); Bennett Deborah; Gray Alex; Pass Ian; Hoang-Xuan
Khe; Downes C Peter
AUTHOR ADDRESS: (a)Division of Signal Transduction Therapy, Department of
Biochemistry, University of Dundee, Dundee, DD1 5EH:
n.r.leslie@dundee.ac.uk**UK
JOURNAL: Biochemical Journal 357 (2):p427-435 15 July, 2001
MEDIUM: print
ISSN: 0264-6021
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

5/3/3
DIALOG(R)File 5:Biosis Previews(R)
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12906937 BIOSIS NO.: 200100114086
Peptide binding studies of GST and 6His-cmyc tagged forms of the Fas
binding ***PDZ*** ***domain*** of the protein tyrosine ***phosphatase***
FAP-1.
AUTHOR: Haye H R(a); Blowers D P(a); Hampton I P(a); Taylor I W(a); Grundy
C(a); Tonge D W(a)
AUTHOR ADDRESS: (a)AstraZeneca Pharmaceuticals, Alderley Park,
Macclesfield, Cheshire, SK10 4TG**UK
JOURNAL: Biochemical Society Transactions 28 (5):pA429 October, 2000
MEDIUM: print
CONFERENCE/MEETING: 18th International Congress of Biochemistry and
Molecular Biology Birmingham, UK July 16-20, 2000
ISSN: 0300-5127
RECORD TYPE: Citation
LANGUAGE: English
SUMMARY LANGUAGE: English

5/3/4
DIALOG(R)File 5:Biosis Previews(R)
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12622269 BIOSIS NO.: 200000375771
Interaction of the tumor suppressor PTEN/MMAC with a ***PDZ*** ***domain***
of MAGI3, a novel membrane-associated guanylate kinase.
AUTHOR: Wu Yan; Dowbenko Donald; Spencer Susan; Laura Richard; Lee James;
Gu Qimin; Lasky Laurence A(a)
AUTHOR ADDRESS: (a)Dept. of Molecular Oncology, Genentech, Inc., 460 Pt.
San Bruno Blvd., South San Francisco, CA, 94080**USA
JOURNAL: Journal of Biological Chemistry 275 (28):p21477-21485 July 14,

2000
MEDIUM: print
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

5/3/5
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

12581684 BIOSIS NO.: 200000335186
Protein ***phosphatase*** 2Calpha dephosphorylates axin and activates
LEF-1-dependent transcription.
AUTHOR: Strovel Erin T; Wu Dianqing; Sussman Daniel J(a)
AUTHOR ADDRESS: (a)Div. of Human Genetics, University of Maryland School of
Medicine, 655 W. Baltimore St., Baltimore, MD, 21201**USA
JOURNAL: Journal of Biological Chemistry 275 (4):p2399-2403 January 28,
2000
MEDIUM: print
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

5/3/6
DIALOG(R)File 5:Biosis Previews(R)
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12280104 BIOSIS NO.: 200000033606
Functional interaction of Fas-associated ***phosphatase***-1 (FAP-1) with
p75NTR and their effect on NF-kappaB activation.
AUTHOR: Irie Shinji(a); Hachiya Takahisa; Rabizadeh Shahrooz; Maruyama
Wakae; Mukai Jun; Li Yin; Reed John C; Bredesen Dale E; Sato Taka-Aki
AUTHOR ADDRESS: (a)Molecular Oncology Laboratory, Tsukuba Life Science
Center, Institute of Physical and Chemical Research (RIKEN), Ibaraki,
305-0074**Japan
JOURNAL: FEBS Letters 460 (2):p191-198 Oct. 29, 1999
ISSN: 0014-5793
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

5/3/7
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

12090533 BIOSIS NO.: 199900385382
Association of the D2 dopamine receptor third cytoplasmic loop with
spinophilin, a protein ***phosphatase***-1-interacting protein.
AUTHOR: Smith F Donelson; Oxford Gerry S; Milgram Sharon L(a)
AUTHOR ADDRESS: (a)Cell and Molecular Physiology, University of North
Carolina at Chapel Hill, CB No. 7545, Chapel **USA
JOURNAL: Journal of Biological Chemistry 274 (28):p19894-19900 July 9,
1999
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

5/3/8
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

11957520 BIOSIS NO.: 199900203629
Organization of kinases, phosphatases, and receptor signaling complexes.
AUTHOR: Schillace Robynn V; Scott John D(a)
AUTHOR ADDRESS: (a)Howard Hughes Medical Institute L-474, Vollum Institute,
Oregon Health Sciences University, 3181**USA
JOURNAL: Journal of Clinical Investigation 103 (6):p761-766 March, 1999
ISSN: 0021-9738
DOCUMENT TYPE: Article
RECORD TYPE: Citation
LANGUAGE: English

5/3/9
DIALOG(R)File 5:Biosis Previews(R)
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11714110 BIOSIS NO.: 199800495841
An avian cDNA encoding a tyrosine-phosphorylated protein with PDZ,
coiled-coil, and SAM domains.
AUTHOR: Suh Kwang Sun; Ting Yuan-Tsang; Burr John G
AUTHOR ADDRESS: Univ. Texas Dallas, Dep. Molecular Cell Biol., Richardson,
TX 75080**USA
JOURNAL: Gene (Amsterdam) 219 (1-2):p111-123 Sept. 28, 1998
ISSN: 0378-1119
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

5/3/10
DIALOG(R)File 5:Biosis Previews(R)
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11160346 BIOSIS NO.: 199799781491
A novel GTPase-activating protein for Rho interacts with a ***PDZ***
domain of the protein-tyrosine ***phosphatase*** PTPL1.
AUTHOR: Saras Jan(a); Franzen Petra; Aspenstroem Pontus; Hellman Ulf; Gonez
Leonel Jorge; Heldin Carl-Henrik
AUTHOR ADDRESS: (a)Ludwig Inst. Cancer Res., Box 595, Biomed. Cent., S-751
24 Uppsala**Sweden
JOURNAL: Journal of Biological Chemistry 272 (39):p24333-24338 1997
ISSN: 0021-9258
RECORD TYPE: Abstract
LANGUAGE: English

? t s6/3/1-4

6/3/1
DIALOG(R)File 5:Biosis Previews(R)
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13331476 BIOSIS NO.: 200100538625
The roles of PDZ-containing proteins in PLC-beta-mediated signaling.
AUTHOR: Suh Pann-Ghill(a); Hwang Jong-Ik; Ryu Sung Ho; Donowitz Mark; Kim
Jae Ho
AUTHOR ADDRESS: (a)Division of Molecular and Life Science, Pohang
University of Science and Technology, Pohang, 790-784: pgs@postech.ac.kr
**South Korea
JOURNAL: Biochemical and Biophysical Research Communications 288 (1):p1-7
October 19, 2001
MEDIUM: print
ISSN: 0006-291X
DOCUMENT TYPE: Literature Review
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

6/3/2

DIALOG(R)File 5:Biosis Previews(R)
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13045006 BIOSIS NO.: 200100252155
Ephrin-B reverse signaling is mediated by a novel PDZ-RGS protein and selectively inhibits G protein-coupled chemoattraction.
AUTHOR: Lu Qiang; Sun Edna E; Klein Robyn S; Flanagan John G(a)
AUTHOR ADDRESS: (a)Department of Cell Biology and Program in Neuroscience, Harvard Medical School, 240 Longwood Avenue, Boston, MA, 02115: flanagan@hms.harvard.edu**USA
JOURNAL: Cell 105 (1):p69-79 April 6, 2001
MEDIUM: print
ISSN: 0092-8674
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

6/3/3
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

12202185 BIOSIS NO.: 199900497034
A kinase-regulated ***PDZ***-***domain*** interaction controls endocytic sorting of the beta2-adrenergic receptor.
AUTHOR: Cao Tracy T; Deacon Heather W; Reczek David; Bretscher Anthony; von Zastrow Mark(a)
AUTHOR ADDRESS: (a)Program in Cell Biology, Cellular and Molecular Pharmacology and Psychiatry, University of California, San Francisco, San Francisco, CA, 94143**USA
JOURNAL: Nature (London) 401 (6750):p286-290 Sept. 16, 1999
ISSN: 0028-0836
DOCUMENT TYPE: Letter; Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

6/3/4
DIALOG(R)File 5:Biosis Previews(R)
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12136600 BIOSIS NO.: 199900431449
G ***protein***-***coupled*** ***receptor*** kinase 6A phosphorylates the Na⁺/H⁺ exchanger regulatory factor via a ***PDZ*** ***domain***-mediated interaction.
AUTHOR: Hall Randy A; Spurney Robert F; Premont Richard T; Rahman Nadeem; Blitzner Jeremy T; Pitcher Julie A; Lefkowitz Robert J(a)
AUTHOR ADDRESS: (a)Howard Hughes Medical Institute, Duke University Medical Center, Durham, NC, 27710**USA
JOURNAL: Journal of Biological Chemistry 274 (34):p24328-24334 Aug. 20, 1999
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

? t s7/3/1

7/3/1
DIALOG(R)File 5:Biosis Previews(R)
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11379724 BIOSIS NO.: 199800161056
Molecular cloning and characterization of rat lin-10.
AUTHOR: Ide Nobuyuki; Hirao Kazuyo; Hata Yutaka; Takeuchi Masakazu; Irie Mina; Yao Ikuko; Deguchi Maki; Toyoda Atsushi; Nishioka Hideo; Mizoguchi Akira; Takai Yoshimi(a)

AUTHOR ADDRESS: (a)Dep. Mol. Biol. and Biochem., Osaka Univ. Med. Sch., 2-2
Yamada-oka, Suite 565**Japan
JOURNAL: Biochemical and Biophysical Research Communications 243 (2):p
634-638 Feb. 13, 1998
ISSN: 0006-291X
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
? t s9/3/1-4

9/3/1
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

13709846 BIOSIS NO.: 200200338667
The multivalent ***PDZ*** ***domain***-containing protein CIPP is a partner
of acid-sensing ***ion*** ***channel*** 3 in sensory neurons.
AUTHOR: Anzai Naohiko; Deval Emmanuel; Schaefer Lionel; Friend Valerie;
Lazdunski Michel(a); Lingueglia Eric
AUTHOR ADDRESS: (a)Institut de Pharmacologie Moleculaire et Cellulaire,
CNRS-UMR6097, 660 Route des Lucioles, Sophia Antipolis, Valbonne, 06560**
France E-Mail: ipmc@ipmc.cnrs.fr
JOURNAL: Journal of Biological Chemistry 277 (19):p16655-16661 May 10,
2002
MEDIUM: print
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

9/3/2
DIALOG(R)File 5:Biosis Previews(R)
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12327854 BIOSIS NO.: 200000081356
The organization of INAD-signaling complexes by a multivalent ***PDZ***
domain protein in Drosophila photoreceptor cells ensures
sensitivity and speed of signaling.
AUTHOR: Tsunoda S(a); Zuker C S(a)
AUTHOR ADDRESS: (a)Howard Hughes Medical Institute and Departments of
Biology and Neurosciences, University of California, San Diego, La Jolla,
Ca**USA
JOURNAL: Cell Calcium 26 (5):p165-171 Nov. , 1999
ISSN: 0143-4160
DOCUMENT TYPE: Literature Review
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

9/3/3
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

11447880 BIOSIS NO.: 199800229212
Thr TRP Ca²⁺ channel assembled in a signaling complex by the ***PDZ***
domain protein INAD is phosphorylated through the interaction with
protein kinase C (ePKC).
AUTHOR: Huber Armin(a); Sander Philipp; Baehner Monika; Paulsen Reinhard
AUTHOR ADDRESS: (a)Zool. Inst. I, Univ. Karlsruhe, P.O. Box 6980, 786128
Karlsruhe**Germany
JOURNAL: FEBS Letters 425 (2):p317-322 March 27, 1998
ISSN: 0014-5793
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

9/3/4
DIALOG(R)File 5:Biosis Previews(R)

(c) 2003 BIOSIS. All rts. reserv.

10325020 BIOSIS NO.: 199698779938

Interaction between the C terminus of NMDA receptor subunits and multiple members of the PSD-95 family of membrane-associated guanylate kinases.

AUTHOR: Niethammer Martin; Kim Eunjoon; Sheng Morgan(a)

AUTHOR ADDRESS: (a)Massachusetts Gen. Hosp., Wellmann 423, 50 Blossom Street, Boston, MA 02114**USA

JOURNAL: Journal of Neuroscience 16 (7):p2157-2163 1996

ISSN: 0270-6474

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

? t s9/7/4

9/7/4

DIALOG(R)File 5:Biosis Previews(R)

(c) 2003 BIOSIS. All rts. reserv.

10325020 BIOSIS NO.: 199698779938

Interaction between the C terminus of NMDA receptor subunits and multiple members of the PSD-95 family of membrane-associated guanylate kinases.

AUTHOR: Niethammer Martin; Kim Eunjoon; Sheng Morgan(a)

AUTHOR ADDRESS: (a)Massachusetts Gen. Hosp., Wellmann 423, 50 Blossom Street, Boston, MA 02114**USA

JOURNAL: Journal of Neuroscience 16 (7):p2157-2163 1996

ISSN: 0270-6474

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: Selective concentration and anchoring of ionotropic receptors at the synapse is essential for neuronal signaling. Little is known about the molecules that mediate receptor clustering in the CNS. With use of the yeast two-hybrid system to screen a rat brain cDNA library and by in vitro binding assays, we have identified an interaction between NMDA receptor subunits 2A and 2B (NR2A and NR2B) and three distinct members of the PSD-95/SAP90 family of membrane-associated putative guanylate kinases. The interaction is mediated by binding of the C terminus of the NMDA receptor subunits to the first two PDZ (also known as GLGF or DHR) domains of PSD-95/SAP90, an abundant synaptic protein associated with the membrane cytoskeleton. PSD-95 is also known to bind and cluster Shaker-type voltage-gated K⁺ channels. Similarities between the C termini of NR2 subunits and K⁺ channels suggest a common C-terminal binding motif for PDZ domains. These data suggest that PDZ domains can function as modules for protein-protein interactions. Members of the PSD-95 family might serve to anchor NMDA receptors to the submembrane cytoskeleton and aid in the assembly of ***signal*** ***transduction*** complexes at postsynaptic sites.

? t s10/3/1-15

10/3/1

DIALOG(R)File 5:Biosis Previews(R)

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14074076 BIOSIS NO.: 200300068105

Protein kinase C (PKC) isoforms in Drosophila.

AUTHOR: Shieh Bih-Hwa(a); Parker Lisan; Popescu Daniela

AUTHOR ADDRESS: (a)Department of Pharmacology and Center for Molecular Neuroscience, Vanderbilt University, 402 Robinson Research Building, Nashville, TN, 37232, USA**USA E-Mail: bih-hwa.shieh@vanderbilt.edu

JOURNAL: Journal of Biochemistry (Tokyo) 132 (4):p523-527 Oct. 2002 2002

MEDIUM: print

ISSN: 0021-924X

DOCUMENT TYPE: Literature Review

RECORD TYPE: Abstract

LANGUAGE: English

10/3/2

DIALOG(R)File 5:Biosis Previews(R)
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14059201 BIOSIS NO.: 200300053230

Plexin B regulates Rho through the guanine nucleotide exchange factors
Leukemia-associated Rho GEF (LARG) and PDZ-RhoGEF.

AUTHOR: Perrot Valerie; Vazquez-Prado Jose; Gutkind J Silvio(a)
AUTHOR ADDRESS: (a)Oral and Pharyngeal Cancer Branch, National Institute of
Dental and Craniofacial Research, National Institutes of Health, 9000
Rockville Pike, Bldg. 30, Rm. 211, Bethesda, MD, 20892-4340, USA**USA
E-Mail: sg39v@nih.gov

JOURNAL: Journal of Biological Chemistry 277 (45):p43115-43120 November 8
2002 2002

MEDIUM: print
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

10/3/3

DIALOG(R)File 5:Biosis Previews(R)
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13973173 BIOSIS NO.: 200200601994

Regulation of GTP-binding protein alphaq (Galphaq) signaling by the
ezrin-radixin-moesin-binding phosphoprotein-50 (EBP50).

AUTHOR: Rochdi Moulay Driss; Watier Valerie; La Madeleine Carole; Nakata
Hiroko; Kozasa Tohru; Parent Jean-Luc(a)
AUTHOR ADDRESS: (a)Service de Rhumatologie, Faculte de Medecine, Universite
de Sherbrooke, 3001, 12th Avenue Nord, Fleurimont, PQ, J1H 5N4**Canada
E-Mail: jean-luc.parent@USherbrooke.ca

JOURNAL: Journal of Biological Chemistry 277 (43):p40751-40759 October 25,
2002

MEDIUM: print
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

10/3/4

DIALOG(R)File 5:Biosis Previews(R)
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13896471 BIOSIS NO.: 200200525292

C2PA is a nuclear protein implicated in the heat shock response.

AUTHOR: Hirabayashi Susumu; Ohno Hideki; Iida Junko; Hata Yutaka(a)
AUTHOR ADDRESS: (a)Department of Medical Biochemistry, Graduate School of
Medicine, Tokyo Medical and Dental University, 1-5-45 Yushima, Bunkyo-ku,
Tokyo, 113-8519**Japan E-Mail: yuhammch@med.tmd.ac.jp

JOURNAL: Journal of Cellular Biochemistry 87 (1):p65-74 2002

MEDIUM: print
ISSN: 0730-2312
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

10/3/5

DIALOG(R)File 5:Biosis Previews(R)
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13637772 BIOSIS NO.: 200200266593

GIPC participates in %G% protein% signaling downstream of
insulin-like growth factor 1 receptor.

AUTHOR: Booth Ronald A; Cummings Cathy; Tiberi Mario; Liu X Johne(a)
AUTHOR ADDRESS: (a)Ottawa Health Research Institute, Ottawa Hospital,
Ottawa, ON, K1Y 4E9**Canada E-Mail: jliu@ohri.ca

JOURNAL: Journal of Biological Chemistry 277 (8):p6719-6725 February 22,
2002
MEDIUM: print
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

10/3/6
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

13331476 BIOSIS NO.: 200100538625
The roles of PDZ-containing proteins in PLC-beta-mediated signaling.
AUTHOR: Suh Pann-Ghill(a); Hwang Jong-Ik; Ryu Sung Ho; Donowitz Mark; Kim
Jae Ho
AUTHOR ADDRESS: (a)Division of Molecular and Life Science, Pohang
University of Science and Technology, Pohang, 790-784: pgs@postech.ac.kr
**South Korea
JOURNAL: Biochemical and Biophysical Research Communications 288 (1):p1-7
October 19, 2001
MEDIUM: print
ISSN: 0006-291X
DOCUMENT TYPE: Literature Review
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

10/3/7
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

13331224 BIOSIS NO.: 200100538373
Interaction of the GABAB receptor with the multiple PDZ protein MUPP1.
AUTHOR: Ige A O(a); Wise A; Billinton A(a); Marshall F H; Emson P C(a);
White J H
AUTHOR ADDRESS: (a)Neurobiology, Babraham Institute, Cambridge**UK
JOURNAL: Society for Neuroscience Abstracts 27 (2):p1575 2001
MEDIUM: print
CONFERENCE/MEETING: 31st Annual Meeting of the Society for Neuroscience
San Diego, California, USA November 10-15, 2001
ISSN: 0190-5295
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

10/3/8
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

13306876 BIOSIS NO.: 200100514025
Expanding the role of NHERF, a PDZ domain containing protein
adapter, to growth regulation.
AUTHOR: Voltz James W; Weinman Edward J; Shenolikar Shirish(a)
AUTHOR ADDRESS: (a)Department of Pharmacology and Cancer Biology, Duke
University Medical Center, Durham, NC, 27710: sheno001@mc.duke.edu**USA
JOURNAL: Oncogene 20 (44):p6309-6314 1 October, 2001
MEDIUM: print
ISSN: 0950-9232
DOCUMENT TYPE: Literature Review
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

10/3/9
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

13290242 BIOSIS NO.: 200100497391

The Multi-~~PDZ~~ ~~Domain~~ Protein MUPP1 is a putative scaffolding protein in chemosensory neurons.

AUTHOR: Elsaesser R(a); Fleischer J(a); Breer H(a); Paysan J(a)

AUTHOR ADDRESS: (a)Physiology, University of Hohenheim, Stuttgart**Germany

JOURNAL: Society for Neuroscience Abstracts 27 (1):p162 2001

MEDIUM: print

CONFERENCE/MEETING: 31st Annual Meeting of the Society for Neuroscience

San Diego, California, USA November 10-15, 2001

ISSN: 0190-5295

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

10/3/10

DIALOG(R)File 5:Biosis Previews(R)

(c) 2003 BIOSIS. All rts. reserv.

13045006 BIOSIS NO.: 200100252155

Ephrin-B reverse signaling is mediated by a novel PDZ-RGS protein and selectively inhibits ~~G~~ ~~protein~~-coupled chemoattraction.

AUTHOR: Lu Qiang; Sun Edna E; Klein Robyn S; Flanagan John G(a)

AUTHOR ADDRESS: (a)Department of Cell Biology and Program in Neuroscience, Harvard Medical School, 240 Longwood Avenue, Boston, MA, 02115:

flanagan@hms.harvard.edu**USA

JOURNAL: Cell 105 (1):p69-79 April 6, 2001

MEDIUM: print

ISSN: 0092-8674

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

10/3/11

DIALOG(R)File 5:Biosis Previews(R)

(c) 2003 BIOSIS. All rts. reserv.

12841383 BIOSIS NO.: 200100048532

Leukemia-associated Rho guanine nucleotide exchange factor (LARG) links heterotrimeric G proteins of the G12 family to Rho.

AUTHOR: Fukuhara Shigetomo; Chikumi Hiroki; Gutkind J Silvio(a)

AUTHOR ADDRESS: (a)Oral and Pharyngeal Cancer Branch, National Institute of Dental and Craniofacial Research, National Institutes of Health, 9000 Rockville Pike, Building 30, Room 211, Bethesda, MD, 20892-4330:

sg39v@nih.gov**USA

JOURNAL: FEBS Letters 485 (2-3):p183-188 24 November, 2000

MEDIUM: print

ISSN: 0014-5793

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

10/3/12

DIALOG(R)File 5:Biosis Previews(R)

(c) 2003 BIOSIS. All rts. reserv.

12691705 BIOSIS NO.: 200000445207

Regulation of phospholipase C-beta3 activity by Na⁺/H⁺ exchanger regulatory factor 2.

AUTHOR: Hwang Jong-Ik; Heo Kyun; Shin Kum-Joo; Kim Eunjoon; Yun C-H Chris; Ryu Sung Ho; Shin Hee-Sup; Suh Pann-Ghill(a)

AUTHOR ADDRESS: (a)Department of Life Science, National Creative Research Initiative Center for Calcium and Learning, Division of Molecular and Life Science and School of Environmental Engineering, Pohang University of Science and Technology, Pohang, 790-784**South Korea

JOURNAL: Journal of Biological Chemistry 275 (22):p16632-16637 June 2,

2000
MEDIUM: print
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

10/3/13
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

12202185 BIOSIS NO.: 199900497034
A kinase-regulated ***PDZ***-***domain*** interaction controls endocytic sorting of the beta2-adrenergic receptor.
AUTHOR: Cao Tracy T; Deacon Heather W; Reczek David; Bretscher Anthony; von Zastrow Mark(a)
AUTHOR ADDRESS: (a)Program in Cell Biology, Cellular and Molecular Pharmacology and Psychiatry, University of California, San Francisco, San Francisco, CA, 94143**USA
JOURNAL: Nature (London) 401 (6750):p286-290 Sept. 16, 1999
ISSN: 0028-0836
DOCUMENT TYPE: Letter; Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

10/3/14
DIALOG(R)File 5:Biosis Previews(R)
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12136600 BIOSIS NO.: 199900431449
G ***protein***-coupled receptor kinase 6A phosphorylates the Na⁺/H⁺ exchanger regulatory factor via a ***PDZ*** ***domain***-mediated interaction.
AUTHOR: Hall Randy A; Spurney Robert F; Premont Richard T; Rahman Nadeem; Blitzer Jeremy T; Pitcher Julie A; Lefkowitz Robert J(a)
AUTHOR ADDRESS: (a)Howard Hughes Medical Institute, Duke University Medical Center, Durham, NC, 27710**USA
JOURNAL: Journal of Biological Chemistry 274 (34):p24328-24334 Aug. 20, 1999
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

10/3/15
DIALOG(R)File 5:Biosis Previews(R)
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11907067 BIOSIS NO.: 199900153176
A novel ***PDZ*** ***domain*** containing guanine nucleotide exchange factor links heterotrimeric ***G*** ***protein*** to Rho.
AUTHOR: Fukuhara Shigetomo; Murga Cristina; Zohar Muriel; Igishi Tadashi; Gutkind J Silvio(a)
AUTHOR ADDRESS: (a)Oral Pharyngeal Cancer Branch, NIDCR, Natl. Inst. Health, 30 Convent Dr., Build. 30 Room 212, Be**USA
JOURNAL: Journal of Biological Chemistry 274 (9):p5868-5879 Feb. 26, 1999
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

? t s11/3/1-9

11/3/1
DIALOG(R)File 5:Biosis Previews(R)

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14074076 BIOSIS NO.: 200300068105

Protein kinase C (PKC) isoforms in Drosophila.

AUTHOR: Shieh Bih-Hwa(a); Parker Lisan; Popescu Daniela

AUTHOR ADDRESS: (a)Department of Pharmacology and Center for Molecular

Neuroscience, Vanderbilt University, 402 Robinson Research Building,

Nashville, TN, 37232, USA**USA E-Mail: bih-hwa.shieh@vanderbilt.edu

JOURNAL: Journal of Biochemistry (Tokyo) 132 (4):p523-527 Oct. 2002 2002

MEDIUM: print

ISSN: 0021-924X

DOCUMENT TYPE: Literature Review

RECORD TYPE: Abstract

LANGUAGE: English

11/3/2

DIALOG(R)File 5:Biosis Previews(R)

(c) 2003 BIOSIS. All rts. reserv.

13973173 BIOSIS NO.: 200200601994

Regulation of GTP-binding protein alphaq (Galphaq) signaling by the

ezrin-radixin-moesin-binding phosphoprotein-50 (EBP50).

AUTHOR: Rochdi Moulay Driss; Watier Valerie; La Madeleine Carole; Nakata

Hiroko; Kozasa Tohru; Parent Jean-Luc(a)

AUTHOR ADDRESS: (a)Service de Rhumatologie, Faculte de Medecine, Universite

de Sherbrooke, 3001, 12th Avenue Nord, Fleurimont, PQ, J1H 5N4**Canada

E-Mail: jean-luc.parent@USherbrooke.ca

JOURNAL: Journal of Biological Chemistry 277 (43):p40751-40759 October 25,

2002

MEDIUM: print

ISSN: 0021-9258

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

11/3/3

DIALOG(R)File 5:Biosis Previews(R)

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13331476 BIOSIS NO.: 200100538625

The roles of PDZ-containing proteins in PLC-beta-mediated signaling.

AUTHOR: Suh Pann-Ghill(a); Hwang Jong-Ik; Ryu Sung Ho; Donowitz Mark; Kim

Jae Ho

AUTHOR ADDRESS: (a)Division of Molecular and Life Science, Pohang

University of Science and Technology, Pohang, 790-784: pgs@postech.ac.kr

**South Korea

JOURNAL: Biochemical and Biophysical Research Communications 288 (1):p1-7

October 19, 2001

MEDIUM: print

ISSN: 0006-291X

DOCUMENT TYPE: Literature Review

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

11/3/4

DIALOG(R)File 5:Biosis Previews(R)

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13306876 BIOSIS NO.: 200100514025

Expanding the role of NHERF, a ***PDZ***-***domain*** containing protein
adapter, to growth regulation.

AUTHOR: Voltz James W; Weinman Edward J; Shenolikar Shirish(a)

AUTHOR ADDRESS: (a)Department of Pharmacology and Cancer Biology, Duke

University Medical Center, Durham, NC, 27710: sheno001@mc.duke.edu**USA

JOURNAL: Oncogene 20 (44):p6309-6314 1 October, 2001

MEDIUM: print

ISSN: 0950-9232

DOCUMENT TYPE: Literature Review
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

11/3/5
DIALOG(R)File 5:Biosis Previews(R)
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13220557 BIOSIS NO.: 200100427706
Functional relevance of the disulfide-linked complex of the N-terminal
%%PDZ%% domain of InaD with NorpA.
AUTHOR: Kimple Michelle E; Siderovski David P; Sondek John(a)
AUTHOR ADDRESS: (a)Department of Biochemistry and Biophysics, University of
North Carolina at Chapel Hill, Chapel Hill, NC, 27599: sondek@med.unc.edu
**USA
JOURNAL: EMBO (European Molecular Biology Organization) Journal 20 (16):p
4414-4422 August 15, 2001
MEDIUM: print
ISSN: 0261-4189
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

11/3/6
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

12691705 BIOSIS NO.: 200000445207
Regulation of %%phospholipase%% C-beta3 activity by Na⁺/H⁺ exchanger
regulatory factor 2.
AUTHOR: Hwang Jong-Ik; Heo Kyun; Shin Kum-Joo; Kim Eunjoon; Yun C-H Chris;
Ryu Sung Ho; Shin Hee-Sup; Suh Pann-Ghill(a)
AUTHOR ADDRESS: (a)Department of Life Science, National Creative Research
Initiative Center for Calcium and Learning, Division of Molecular and
Life Science and School of Environmental Engineering, Pohang University
of Science and Technology, Pohang, 790-784**South Korea
JOURNAL: Journal of Biological Chemistry 275 (22):p16632-16637 June 2,
2000
MEDIUM: print
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

11/3/7
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

12327854 BIOSIS NO.: 200000081356
The organization of INAD-signaling complexes by a multivalent %%PDZ%%
%%domain%% protein in Drosophila photoreceptor cells ensures
sensitivity and speed of signaling.
AUTHOR: Tsunoda S(a); Zuker C S(a)
AUTHOR ADDRESS: (a)Howard Hughes Medical Institute and Departments of
Biology and Neurosciences, University of California, San Diego, La Jolla,
Ca**USA
JOURNAL: Cell Calcium 26 (5):p165-171 Nov. , 1999
ISSN: 0143-4160
DOCUMENT TYPE: Literature Review
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

11/3/8

DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

11582761 BIOSIS NO.: 199800363457
Interaction of eye protein kinase C and INAD in Drosophila: Localization of binding domains and electrophysiological characterization of a loss of association in transgenic flies.
AUTHOR: Adamski Frances Mary; Zhu Mei-Ying; Bahiraei Frohar; Shieh Bih-Hwa (a)
AUTHOR ADDRESS: (a)Dep. Pharmacol., 402 Medical Research Build. I., Vanderbilt Univ., Nashville, TN 37232-6600**USA
JOURNAL: Journal of Biological Chemistry 273 (28):p17713-17719 July 10, 1998
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

11/3/9
DIALOG(R)File 5:Biosis Previews(R)
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11447880 BIOSIS NO.: 199800229212
Thr TRP Ca²⁺ channel assembled in a signaling complex by the ***PDZ*** domain protein INAD is phosphorylated through the interaction with protein kinase C (ePKC).
AUTHOR: Huber Armin(a); Sander Philipp; Baehner Monika; Paulsen Reinhard
AUTHOR ADDRESS: (a)Zool. Inst. I, Univ. Karlsruhe, P.O. Box 6980, 786128 Karlsruhe**Germany
JOURNAL: FEBS Letters 425 (2):p317-322 March 27, 1998
ISSN: 0014-5793
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

? t s16/3/1

16/3/1
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

11038424 BIOSIS NO.: 199799659569
A multivalent ***PDZ***-***domain*** protein assembles signalling complexes in a G-protein-coupled cascade.
AUTHOR: Tsunoda Susan; Sierralta Jimena; Sun Yumei; Bodner Ruth; Suzuki Emiko; Becker Ann; Socolich Michael; ***Zuker Charles S*** (a)
AUTHOR ADDRESS: (a)Howard Hughes Med. Inst., Dep. Neurosci., Univ. California at San Diego, La Jolla, CA 92093-0649**USA
JOURNAL: Nature (London) 388 (6639):p243-249 1997
ISSN: 0028-0836
RECORD TYPE: Abstract
LANGUAGE: English

? t s23/3/1-4

23/3/1
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

14027603 BIOSIS NO.: 200300021632
Putative role for a myosin motor in store-operated calcium entry.
AUTHOR: Bauer Natalie N; Stevens Troy(a)
AUTHOR ADDRESS: (a)Department of Pharmacology, College of Medicine, University of South Alabama, Mobile, AL, 36688, USA**USA E-Mail: tstevens@jaguar1.usouthal.edu
JOURNAL: Cell Biochemistry and Biophysics 37 (1):p53-70 2002
MEDIUM: print
ISSN: 1085-9195
DOCUMENT TYPE: Literature Review
RECORD TYPE: Abstract

LANGUAGE: English

23/3/2

DIALOG(R)File 5:Biosis Previews(R)

(c) 2003 BIOSIS. All rts. reserv.

12496693 BIOSIS NO.: 200000250195

The PDZ assembled "transducinome" of microvillar photoreceptors: The TRP/TRPL problem.

AUTHOR: Paulsen Reinhard(a); Baehner Monika(a); Huber Armin(a)

AUTHOR ADDRESS: (a)Department of Cell- and Neurobiology, University of Karlsruhe, Kornblumenstr. 13, 76128, Karlsruhe**Germany

JOURNAL: Pfluegers Archiv European Journal of Physiology 439 (3 Suppl.):p R181-R183 2000

CONFERENCE/MEETING: 1998 Life Sciences Conference: Signalling Concepts in Life Sciences. Godz Martuljek, Slovenia September 19-24, 1998

ISSN: 0031-6768

DOCUMENT TYPE: Article

RECORD TYPE: Citation

LANGUAGE: English

SUMMARY LANGUAGE: English

23/3/3

DIALOG(R)File 5:Biosis Previews(R)

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11957043 BIOSIS NO.: 199900203152

PDZ domains: Fundamental building blocks in the organization of protein complexes at the plasma membrane.

AUTHOR: Fanning Alan S(a); Anderson James Melvin

AUTHOR ADDRESS: (a)Section of Digestive Diseases, Yale University School of Medicine, New Haven, CT, 06520-8019**USA

JOURNAL: Journal of Clinical Investigation 103 (6):p767-772 March, 1999

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LANGUAGE: English

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11038424 BIOSIS NO.: 199799659569

A multivalent PDZ-domain protein assembles signalling complexes in a G-protein-coupled cascade.

AUTHOR: Tsunoda Susan; Sierralta Jimena; Sun Yumei; Bodner Ruth; Suzuki Emiko; Becker Ann; Socolich Michael; Zuker Charles S(a)

AUTHOR ADDRESS: (a)Howard Hughes Med. Inst., Dep. Neurosci., Univ. California at San Diego, La Jolla, CA 92093-0649**USA

JOURNAL: Nature (London) 388 (6639):p243-249 1997

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